

A Complete Bibliography of Publications in *Fundamenta Informaticae*: 2000–2009

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA

Tel: +1 801 581 5254
FAX: +1 801 581 4148

E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org (Internet)
WWW URL: <http://www.math.utah.edu/~beebe/>

22 March 2018
Version 1.02

Title word cross-reference

(1, 1) [837]. (1, 2) [188]. (3, g) [486]. (t, n) [830]. **\mathcal{S} -Calculus** [590]. 1
[721, 240, 372]. 2 [1320]. 3 [1320, 1388, 370, 426, 222]. 4 [1036]. * [410]. \neg
[1202]. $-G$ [897]. C [1144]. C^1 [440]. χ [15]. δ [311]. F [992]. g [486]. H
[137, 509]. hp [1306]. K [1196, 176, 1296, 619, 1277]. L^3 [852]. λ
[854, 530, 375, 1032]. m [1282]. mc [1282]. μ [203]. N [295, 704, 720, 1028]. /
[1187]. Ω [1282, 325, 125, 1007, 460, 1008, 719, 518, 1016]. P
[160, 352, 764, 161, 1280, 1309, 488, 327, 1121, 784, 163, 712, 1122, 980, 824,
1008, 166, 721, 662, 375, 169, 505, 170, 771, 1123, 174, 175, 514, 728, 706, 177,
178, 1232, 537, 1124, 1395, 1125, 1126, 141]. ∂ [525]. π [634]. π_1^1 [84]. q [313].
 S [888]. T [391, 1010, 1232]. W [85]. X [160, 502]. Z [1150].

* [868]. ***-continuous** [868].

-algebras [1202]. **-Anonymization** [1277]. **-augmentation** [1010].

-automaton [1196]. -axioms [295]. -Bayesian [188]. -Bit [240].
-Bit-Communication [372]. -Cages [486]. -calculi [854]. -Calculus
 [375, 634]. -Communication [1232]. -complete [84]. -Definability [530].
 -Deterministic [721]. -expression [1196]. -Finite [1306]. -Grams [313].
 -Homogeneous [1036]. -Languages [1008, 1016]. -Logic-based [992].
 -Machine [502]. -Machines [160]. -Matching [311]. -Means [1144]. -NN
 [619]. -norm [391]. -Normal [141]. -Operators [85]. -Power [460].
 -Process [125]. -Rational [720]. -Regular [719]. -regularities [1032].
 -rewriting [518]. -Subset [176]. -Threshold [830]. -Valued
 [1296, 222, 426]. -Views [704]. -Words [1007].

1 [556, 141, 1394].

2 [605, 141, 1405]. **2004** [746]. **2007** [1078]. **2008** [1326]. **2CNF** [90].

3DM [1221].

= [1058].

Abduction [1024]. **Abstract**

[835, 401, 563, 402, 740, 277, 331, 769, 964, 841, 839, 587]. **Abstract-state**
 [841]. **Abstraction** [1167, 1159, 351, 138, 698]. **Abstractions** [1189, 403].
AC [1302]. **Accelerator** [1353]. **Accepting** [426]. **Acceptors** [894]. **Access**
 [807, 714, 1261, 1049, 1330]. **Accessing** [1024]. **Accuracies** [1219]. **Acquire**
 [798]. **Acquisition** [467, 468, 390, 1211]. **Action**
 [613, 144, 145, 58, 868, 214, 152, 1105]. **Action-at-a-distance** [613]. **Actions**
 [123, 435, 1373, 1345, 1001, 339, 344, 1348, 1045]. **Active** [352, 820, 327, 154].
Activity [1177]. **ACTLS** [469]. **Ad** [1179]. **Ad-Hoc** [1179]. **Adapt** [147].
Adaptive [458, 1147, 1201, 844, 737, 1306, 1307, 828, 906]. **Adaptively**
 [1052]. **Addition** [691]. **Additive** [952, 871, 1128]. **Address** [320].
Addressing [1137]. **Adhesive** [747, 748]. **Adjective** [1252]. **Admission**
 [1337]. **Advances** [1379, 1371, 812, 543]. **Affine** [528, 1264, 855, 846]. **After**
 [726, 1336]. **Again** [560]. **Against** [401]. **Agency** [145, 152]. **Agent**
 [474, 1059, 1345, 647, 278, 910, 45, 46, 1348, 473, 648, 298]. **Agent-Oriented**
 [46]. **Agents** [613, 677, 1284, 145, 345, 590, 681, 985, 475]. **Agglomeration**
 [1307]. **Aggregation** [290, 1273, 975, 432]. **Agreement** [1179, 446, 334].
Aiding [1387]. **AIT** [596]. **ALC** [1377, 1297]. **Algebra** [734, 639, 435, 656,
 1318, 274, 713, 1063, 331, 1286, 858, 1341, 250, 428, 968, 1212, 598, 23, 483].
Algebraic [527, 303, 481, 482, 711, 889, 38, 374, 758, 867, 1108, 1311, 641,
 1391, 371, 874, 1089, 1394, 1405, 1027, 261, 938]. **Algebras**
 [842, 993, 481, 1198, 972, 755, 756, 95, 757, 1401, 88, 1289, 69, 797, 965, 595,
 964, 702, 805, 615, 1202, 1187]. **Algorithm** [806, 1352, 934, 809, 1272, 1064,
 718, 455, 544, 1399, 684, 1098, 636, 1253, 316, 1033, 911, 1080, 320, 844, 600,
 947, 11, 1269, 47, 1213, 601, 846, 1368, 1129, 270, 1207, 1125, 1308, 390, 1093].

Algorithmic [851, 1002, 1272, 1058, 1142, 1025]. **Algorithms**
 [1030, 1029, 1094, 941, 1228, 315, 1286, 181, 126, 1018, 1071, 1398, 462, 1384,
 312, 172, 384, 1314, 1185, 300, 416, 8, 1031, 1134, 449, 216, 1403, 240, 775,
 283, 105, 195, 1032, 142, 834, 309]. **Alias** [1149]. **Alignment** [316]. **Almost**
 [488, 935, 1296, 363]. **Alpha** [272]. **Alphabet** [522]. **Alphabetic** [1399].
Alphabets [616]. **ALTARICA** [459]. **Alternating** [365]. **Alternative**
 [1094, 864]. **Alternatives** [1046]. **Ambiguity** [803]. **Ambitious** [283].
Among [482]. **Analysis**
 [1191, 1344, 36, 765, 207, 1063, 1285, 1249, 787, 86, 103, 646, 40, 408, 758, 467,
 468, 25, 944, 878, 1216, 670, 1387, 570, 945, 1110, 508, 46, 1307, 515, 300, 573,
 1044, 1055, 65, 1170, 919, 762, 1153, 121, 421, 195, 644, 422, 898, 196, 1383].
Analytic [391, 189]. **Analyzing** [1283, 51]. **Andrzej** [949]. **Animated** [850].
ANN [1094]. **Annotated** [26]. **Annotation** [1382]. **Anonymization** [1277].
Answer [1375, 347, 995, 839]. **Answers** [331]. **Ant** [588, 844].
Antidictionaries [495]. **Antimirov** [79]. **Antiport** [514]. **Antoni** [923].
any [958]. **Aperiodic** [1010]. **Application**
 [836, 882, 1164, 1127, 1106, 1334, 819, 781, 146, 752, 982, 209, 1320, 547, 624,
 187, 844, 368, 975, 49, 1134, 264, 997, 247, 1336, 885, 1242]. **Applications**
 [856, 847, 1002, 1379, 778, 1131, 231, 496, 680, 549, 1288, 1338, 524, 661, 438,
 3, 102, 50, 1015, 270]. **Applied** [5]. **Applying** [483, 1300, 287].
Appointment [46]. **Approach**
 [779, 1059, 1060, 1316, 1328, 864, 589, 710, 754, 810, 1260, 465, 1064, 755, 756,
 890, 849, 1267, 539, 1067, 115, 1195, 648, 1324, 1355, 1356, 1333, 1141, 1113,
 387, 1298, 1142, 297, 263, 1358, 34, 433, 578, 701, 520, 247, 259, 324, 266].
Approaches [1316, 1383, 1216, 1053, 801]. **Approximate**
 [338, 786, 705, 1200, 1053, 213, 265, 652, 919, 580, 135]. **Approximating**
 [95, 1098, 83]. **Approximation** [1028, 1318, 407, 568, 683, 904, 1071, 462,
 618, 387, 664, 916, 800, 442, 282, 699, 283, 921, 1090, 356]. **Approximations**
 [378, 620, 210, 254, 703]. **Araucaria** [977, 774]. **Arbitrary**
 [1226, 778, 591, 1098, 438]. **Arc** [1157]. **Architectural** [647]. **Architecture**
 [242, 1048, 649, 743, 215, 1186, 270]. **Architectures** [739, 454]. **Arcs**
 [1160, 194]. **Areas** [954, 617]. **Arithmetic** [1401, 1042, 969]. **Arithmetical**
 [854]. **Arithmetics** [959]. **Arrangement** [601]. **Array**
 [498, 870, 321, 1026, 1232]. **Arrays** [1129]. **Arrow** [778]. **Artificial**
 [1127, 1379]. **ASM** [838]. **Aspects** [474, 161, 1086]. **Assembly**
 [780, 1050, 724]. **Assertions** [1055]. **Assigned** [764]. **Assignment**
 [1041, 807, 1049, 975]. **Association** [381, 1269, 1314]. **Associative**
 [47, 1185, 417, 575, 697]. **Associativity** [1246]. **Asymptotic** [522].
Asymptotics [439]. **Asynchronous** [1165, 740, 284, 552, 193, 859, 627, 1169,
 33, 367, 431, 861, 427, 1336, 938, 195, 631, 478, 192]. **Asynchrony** [985].
Attachment [1034]. **Attack** [446]. **Attacks** [1291]. **Attempt** [147, 958].
Attractor [1101]. **Attribute** [572, 434, 598, 1093]. **Attributed** [748].
Attributes [140]. **Audio** [1385]. **augmentation** [1010]. **Australasian**
 [1029]. **Authentication** [1197, 907, 1402, 692, 1205, 604]. **Authorization**

[258]. **Autoepistemic** [896]. **Automata** [1191, 1127, 77, 1236, 342, 123, 205, 1309, 1131, 185, 971, 1258, 1239, 230, 710, 231, 493, 232, 208, 248, 224, 717, 982, 983, 1001, 1065, 1007, 1130, 870, 871, 1128, 931, 424, 1263, 233, 365, 686, 908, 1073, 1075, 503, 1033, 689, 81, 1293, 1294, 913, 1295, 366, 43, 129, 411, 368, 873, 1101, 369, 235, 227, 1339, 1133, 1256, 989, 1084, 371, 874, 246, 1085, 738, 875, 300, 1103, 1134, 238, 239, 363, 630, 450, 240, 876, 241, 364, 301, 897, 422, 583, 922, 1246, 234, 362, 370, 236]. **Automata-Theoretic** [248]. **Automated** [30, 414]. **Automatic** [9, 1159, 559, 1332, 1195, 570, 1382, 1056, 1392, 1144]. **Automating** [859]. **Automaton** [926, 1023, 1313, 427, 372, 229, 289, 1196]. **Autonomous** [219, 42, 1268]. **Average** [198]. **Avoiding** [1335]. **Aware** [880, 1149]. **Awareness** [500]. **Axiom** [322, 1202, 1365, 1044]. **Axiomatic** [566, 1187, 702, 1405]. **Axiomatisation** [99]. **Axiomatization** [842, 78, 186, 618]. **Axioms** [620, 221, 295].

B [836, 625]. **Back** [560, 603]. **Backbones** [725]. **Backtracking** [917]. **Bag** [1117]. **Baire** [536]. **Balance** [837, 1242, 802]. **Balancing** [581]. **Barabasz** [945]. **Barycentric** [964]. **Based** [1226, 36, 391, 842, 99, 1342, 1329, 780, 453, 941, 124, 354, 436, 538, 1317, 754, 843, 830, 809, 1147, 979, 208, 68, 1097, 786, 393, 680, 890, 1381, 126, 113, 244, 39, 559, 1066, 904, 225, 1201, 905, 744, 115, 1273, 1252, 380, 736, 1099, 1049, 1253, 1264, 1321, 608, 1077, 823, 688, 1216, 627, 1109, 1402, 118, 1295, 1354, 305, 844, 600, 669, 1254, 1110, 1356, 946, 1255, 1391, 1341, 1141, 1133, 1257, 1213, 516, 622, 707, 801, 816, 1056, 1392, 1204, 52, 708, 1370, 1274, 579, 358, 581, 617, 1205, 326, 135, 470, 665, 833, 1144, 922, 1125, 1308, 1208]. **Based** [390, 834, 478, 951, 259, 1372, 1328, 934, 755, 756, 1385, 748, 16, 1018, 1320, 1068, 1118, 547, 1291, 878, 1177, 1021, 1194, 1085, 100, 700, 359, 1212, 1105, 1153, 121, 1145, 422, 583, 992]. **Bases** [737, 140, 341]. **Basic** [999, 713, 902, 1203, 556, 605, 450, 309]. **Basins** [1101]. **Basis** [873]. **Bayesian** [355, 183, 1178, 188, 629]. **BCCSP** [1146]. **BCH** [1033]. **BDD** [191, 688]. **be** [850]. **Beam** [803]. **Behaved** [141]. **Behavior** [996, 871, 684, 985, 745]. **Behavioral** [676, 779, 998]. **Behaviour** [1247, 1180, 534, 1076, 138, 937, 805]. **Behavioural** [925, 1193]. **Behaviours** [1358, 939, 1089, 1394, 1405]. **Being** [798]. **Belief** [337, 1310, 344, 463, 1312]. **Benefit** [1323]. **Best** [412, 1337]. **Best-Effort** [1337]. **Better** [313].

Between [1383, 713, 825, 1252, 365, 438, 504, 1358, 222, 364, 786, 316, 798, 27, 883, 992]. **Beyond** [1346]. **BGS** [841]. **Bhopalator** [168]. **Bi** [1041]. **Bi-intuitionistic** [1041]. **Bilateral** [397]. **Bilinear** [507]. **BiLog** [928]. **Bimachines** [730]. **Binary** [806, 811, 973, 1052, 935, 729, 802, 804, 6, 1205]. **Binding** [1043]. **Biochemical** [573]. **Biological** [1247, 508, 542]. **Biorders** [532]. **Biosyntax** [487]. **Bipartite** [350, 1035]. **Birkhoff** [1025]. **BISECTION** [462]. **Bisimilarity** [1136, 1304]. **Bisimulation** [243, 1287, 1263, 294]. **Bisimulations** [1027]. **Bit** [1137, 240, 372, 876, 538]. **Bitrades** [1036].

Bitten [1391]. **Black** [659, 769]. **Blind** [1007, 305]. **Block** [736, 640, 866, 1137, 723, 1205]. **Blocking** [359]. **Blocks** [1317]. **Bodies** [826]. **Böhm** [73]. **Boldface** [61]. **Bond** [1135]. **Boolean** [198, 1063, 814, 1183, 1035, 846]. **Boosting** [1364]. **Border** [1252]. **Borel** [460, 554, 1346]. **Bottlenecks** [196]. **Boundaries** [875]. **Boundary** [864]. **Bounded** [590, 931, 1340, 476, 366, 532, 212, 298, 469, 897]. **Bounds** [808, 637]. **Box** [1139, 817, 284]. **Bracketed** [504]. **Brackets** [504]. **Brain** [1152, 1392]. **Branching** [712, 1136, 48, 698, 1304]. **Bridging** [798]. **BTC** [865]. **Büchi** [185, 630]. **Bucket** [1201]. **Buffered** [631]. **Building** [1112, 1399, 1332, 18, 1133]. **Built** [97, 1364, 1220]. **Byzantine** [1179].

C [175, 270]. **Caching** [1297]. **Cages** [486]. **CAKE** [340]. **Calculi** [847, 391, 524, 699, 854]. **Calculus** [162, 563, 675, 527, 528, 284, 39, 59, 438, 375, 1139, 963, 292, 832, 650, 602, 27, 89, 592, 597, 817, 623, 634]. **Call** [606]. **Can** [1284, 850]. **Cancellation** [1146]. **Candidate** [1356]. **Canonical** [104, 289]. **Capabilities** [759]. **Capacity** [1115]. **Cardinality** [1028]. **Carry** [1158]. **Carrying** [849]. **Case** [124, 750, 822, 1068, 201]. **Case-based** [1068]. **Cases** [1237]. **Categorical** [181, 307]. **Categorical** [66, 99, 747, 758]. **Categories** [37, 748, 531, 703]. **Category** [1043, 1155]. **Catenation** [1009]. **Caterpillar** [246]. **Causal** [1108, 1055]. **Causality** [383]. **Cause** [275]. **Cause-Effect** [275]. **CD** [822, 829]. **Cell** [161, 168, 1368, 240]. **Cells** [369, 216]. **Cellular** [1127, 1236, 613, 1131, 231, 750, 1023, 1130, 870, 871, 1128, 424, 233, 365, 872, 362, 366, 367, 368, 873, 1101, 369, 1313, 235, 1133, 371, 874, 1213, 875, 1134, 238, 239, 363, 240, 372, 876, 241, 364, 229, 234, 370, 236]. **Center** [326]. **Center-Based** [326]. **century** [923]. **Certificateless** [1154]. **Chain** [1051, 330]. **Chains** [1094, 1340]. **Chaitin** [596]. **Change** [819, 58, 1054, 1145]. **Channel** [354]. **Channels** [1280, 931, 744, 1292]. **Chaos** [1142]. **Chaotic** [231, 1213]. **Characteristics** [1015]. **Characterization** [106, 144, 711, 889, 343, 1101, 256, 702]. **Characterized** [765]. **Characterizing** [1135, 511]. **ChariTime** [46]. **Chase** [880]. **Chaum** [688]. **Cheating** [1259]. **Check** [402, 1143]. **Checker** [1078]. **Checkers** [1332]. **Checking** [1165, 1167, 277, 30, 455, 1376, 1340, 907, 476, 688, 410, 1295, 1081, 1298, 212, 298, 1085, 629, 698, 457, 839, 301, 469, 897, 583, 922, 906]. **Chemistry** [486]. **Choice** [492, 494, 455, 499, 153, 1044]. **Chord** [439, 440]. **Church** [962]. **CI** [1210]. **CILC08** [1371]. **Circuit** [1169, 1035]. **Circuits** [1165, 627, 367, 771, 555, 451, 427, 938, 192]. **Circular** [1254]. **Class** [1112, 1219, 765, 902, 1175, 1151, 187, 1347, 261]. **Classes** [1037, 751, 350, 1075, 112, 1294, 989, 536]. **Classical** [1042, 1300, 876, 76, 1301]. **Classification** [1319, 290, 1067, 225, 1273, 1384, 368, 285, 1113, 694, 816, 1056, 216, 990, 121]. **Classifications** [1219]. **Classifier** [1064, 1098, 1048, 1386, 873, 816, 701, 270]. **Classifiers**

[1381, 1364, 255, 845, 117, 1204, 700, 135]. **Clausal** [1310, 268, 156]. **Clause** [1199, 612]. **Clinical** [255, 388]. **Clock** [1191]. **Clockless** [1243]. **Closeness** [1380]. **Closure** [353, 1183, 171, 1185]. **Cloud** [1325]. **Cluster** [260]. **Clustering** [1147, 465, 600, 947, 1113, 693, 1056, 1392, 1369, 1403]. **Clusters** [128]. **Co** [781, 811, 1152]. **Co-Entropies** [781]. **Co-Occurrence** [1152]. **Co-processor** [811]. **Coalition** [472]. **Code** [849, 1011, 330]. **Codebook** [809, 979, 636, 1253, 1143, 1276]. **Codebook-linked** [1276]. **Coded** [1056]. **Codes** [1197, 718, 1033, 772, 1015, 256, 1100]. **Codeword** [1143]. **Coding** [658, 1107, 736, 640, 865, 358, 1088]. **Codomain** [730]. **Cognitive** [1216, 1210, 1209, 1217, 1214]. **Coherence** [1302]. **Collatz** [518]. **Collective** [145, 274, 220, 328]. **Colony** [588, 844]. **Color** [458, 1362, 1148, 640, 617, 444, 833]. **Color-Complexity** [833]. **Colored** [1267]. **Colorings** [347]. **Colors** [984]. **Coloured** [1162]. **Combination** [760]. **Combinatorial** [1029, 324]. **Combinatorics** [1397]. **Combined** [1009, 1393]. **Combining** [225, 700, 1347]. **Commitment** [328]. **Common** [722]. **Commonality** [131]. **Communicating** [373, 137, 931, 138, 415, 427]. **Communication** [740, 859, 88, 1292, 1307, 1111, 1232, 372, 876, 1335, 195, 631]. **Communications** [552, 240]. **Communities** [411]. **Commutative** [912, 249]. **Compact** [85, 321]. **Compactness** [463, 976, 961]. **Comparability** [589]. **Comparative** [210, 598, 898]. **Comparator** [29]. **Compared** [1157]. **Comparing** [62, 243, 127, 688, 1274]. **Comparison** [1400, 1316, 1172, 1216, 384, 216, 1301]. **Comparisons** [1321]. **Compensation** [708]. **Competence** [823]. **Compilation** [461]. **Compile** [1174]. **Complementarity** [197]. **Complete** [352, 78, 1107, 502, 1138, 186, 3, 1343, 703, 28, 785, 84]. **Completeness** [37, 1272, 848, 687, 203]. **Completion** [772]. **Complex** [1040, 1132, 1238, 1401, 1001, 339, 1034, 418, 577, 580, 1308]. **Complexity** [1002, 302, 71, 191, 1237, 712, 1122, 659, 1006, 68, 789, 114, 1107, 554, 1009, 80, 1203, 1012, 448, 770, 332, 183, 1140, 285, 430, 1015, 1016, 189, 521, 1265, 833, 523, 90, 251, 735]. **Complicated** [807]. **Component** [744, 998, 395]. **Components** [1249, 1195, 745]. **Composable** [552, 187, 215]. **Composed** [996]. **Composing** [925]. **Composite** [1306]. **Composition** [734, 1192, 1195, 308, 1339, 395, 893]. **Compositional** [900, 419]. **Compositionality** [997]. **Compositions** [929]. **Compound** [734, 1074]. **Compressed** [754, 466, 318]. **Compressible** [291]. **Compression** [319, 436, 495, 1261, 1251, 636, 866, 722, 908, 1141, 586, 360]. **Compressor** [541]. **Computability** [1013, 141, 157]. **Computable** [489]. **Computably** [1017]. **Computation** [639, 625, 930, 1196, 769, 943, 1243, 22, 142]. **Computational** [1371, 1259, 1122, 68, 114, 721, 1050, 1244, 773, 1124, 1211]. **Computations** [750, 304, 1149, 769, 763, 695]. **Compute** [941]. **Computed** [717, 1123]. **Computer** [800, 428, 967]. **Computers** [940]. **Computing** [1119, 1120, 317, 930, 822, 73, 242, 811, 167, 647, 1071, 1398, 826, 794, 12, 13, 728, 920, 1209, 1217, 1214, 1032]. **Concatenation** [67]. **Concept**

[378, 106, 787, 249, 758, 467, 468, 944, 878, 118, 1305, 669, 800, 1143, 1206, 266].
Concepts [864, 127, 683, 46, 1300, 519, 247]. **Concerning** [715, 430].
Concrete [402, 596]. **Concurrency** [673, 899, 856, 1164, 1057, 1106, 1334, 1278, 191, 562, 403, 624, 1108, 1109, 279, 1336]. **Concurrent**
[36, 996, 402, 55, 62, 857, 454, 277, 903, 825, 1075, 431, 413, 414, 937, 579, 654, 1089, 1394, 1405]. **Conditional** [147, 67]. **Conditions**
[752, 554, 437, 823, 1053]. **Configurations** [980, 363]. **Conflict**
[336, 1194, 695, 801]. **Conflict-free** [695]. **Conflicts** [456, 1109, 1335].
Confluence [635]. **Fusion** [128]. **Congestion** [1162]. **Congruence**
[1136, 539]. **Congruences** [1350]. **Conjecture** [1271]. **Conjoinability** [425].
Connected [569, 689]. **Connectedness** [1005]. **Connection**
[713, 825, 1330, 96, 623]. **Connections** [814, 793, 7, 421]. **connectivity** [110].
Connector [999]. **Conquer** [811]. **Consecutions** [966]. **Consecutive** [430].
Conserving [233, 229]. **Considerations** [276]. **Consistency**
[30, 455, 1107, 437]. **Consistent** [920]. **Constitutive** [290]. **Constrained**
[1357, 815, 660]. **Constraint** [1372, 1066, 115, 42, 1339, 1378].
Constraint-Based [115]. **Constraints** [1372, 146, 667, 1319, 752, 583].
Constructing [549, 11, 21, 268]. **Construction**
[166, 1343, 63, 796, 1269, 1314, 245, 512, 861, 1105, 1208]. **Constructions**
[527, 1230, 592, 597]. **Constructive** [1373, 1150, 1394]. **Constructs**
[707, 434]. **Consumers** [437]. **Consumption** [238]. **Contact** [864, 755, 756].
Contagious [485]. **Content** [665]. **Content-Based** [665]. **Context**
[971, 24, 848, 1006, 1117, 981, 165, 499, 1183, 1160, 726, 63, 82, 1087, 1206, 834].
Context-Free [1006, 499, 971, 63]. **Context-Semantics** [848].
Context-Sensitive [1183]. **Context-Sensitivity** [726]. **Contextual**
[66, 62, 492, 494, 498, 499, 503, 504, 169, 505, 170, 506, 510, 512, 513, 1026, 218].
Contingency [1222, 1212]. **Continuous**
[950, 93, 1130, 94, 1340, 140, 451, 450, 868]. **Continuous-Time** [1340].
Contracts [1192]. **Contrary** [147]. **Contrary-To-Duties** [147].
Contribution [884, 967]. **Contributions** [1188]. **Control** [940, 1162, 219, 807, 682, 351, 1049, 531, 611, 855, 49, 247, 357, 376, 1337, 266, 286].
Controllable [860]. **Controlled** [1065]. **Controller** [17, 987, 578]. **Convex**
[704, 1035, 6]. **Convolutions** [1030]. **Conway** [1095]. **Cooperating**
[821, 713, 823, 43, 129]. **Cooperation** [621]. **Cooperative** [479, 791].
Coordination [740, 739, 741, 744, 742]. **Coping** [44]. **Copy** [1021, 665].
Core [15]. **CoreASM** [838]. **Corecursive** [558]. **Corner** [1356]. **Correct**
[275, 861]. **Correct-by-Construction** [861]. **Correctness** [566].
Correlation [1344, 809]. **Correspondence** [1272, 786]. **Corrigendum**
[1302]. **Cosmic** [500]. **Cost** [1323, 1133, 651, 1105]. **Cost/Benefit** [1323].
Costs [718]. **Could** [798]. **countable** [540]. **Counter** [1239, 1007, 638].
Counter-Free [638]. **Counting** [72, 314]. **Counts** [1382]. **Coupled**
[159, 997]. **Covariances** [898]. **Coverings** [781, 1071]. **Covers** [1248]. **CP**
[1178]. **CP-Logic** [1178]. **Create** [963]. **Creation** [1161]. **Creativity** [485].
Crises [649]. **Criteria** [1097]. **Criterion** [599]. **Critical** [871]. **CRL** [203].

Cryptanalysis [253]. **Cryptographers** [688]. **Cryptographic** [1049].
Cryptography [1259]. **Cryptosystem** [1145, 672]. **CS&P**
 [673, 899, 1057, 1278]. **CSC** [1335]. **CTL** [1376, 410, 212]. **Cubes** [382].
Cubics [440]. **Cumulative** [439, 440]. **Cumulativity** [150]. **Curve**
 [5, 622, 1145]. **Cut** [1102, 76, 1220]. **Cut-Elimination** [76]. **Cuts** [1367].
Cycle [1128]. **Cyclic** [1363, 414].

D [1320, 1388, 370]. **Dance** [1103]. **Data**
 [525, 882, 400, 1171, 926, 1361, 754, 1147, 1115, 978, 1148, 1260, 495, 682, 549,
 1201, 548, 115, 1151, 943, 408, 661, 880, 686, 1073, 878, 267, 1158, 382, 1322,
 1052, 988, 1254, 1022, 1053, 541, 255, 1084, 140, 413, 515, 263, 586, 1170, 700,
 918, 654, 1403, 388, 1221, 23, 421, 587, 922]. **Data-driven** [1221]. **Database**
 [258, 667, 1267, 380, 944, 885, 1290]. **Database-theoretic** [1267]. **Databases**
 [119, 584, 1175, 116, 182, 1305, 892, 184, 884]. **Dataflow** [1238]. **Datagram**
 [1162]. **Datalog** [707]. **Datamodels** [638]. **Dataspace** [743]. **Davidson**
 [1045]. **Davis** [888]. **Deadlock** [154]. **Debit** [1079]. **Deblocking** [359].
Debugging [14]. **Decent** [937]. **Decidability** [768, 902, 448, 966, 644].
Decidable [273, 1366, 261]. **Deciding** [288, 888]. **Decision**
 [185, 198, 248, 1097, 244, 549, 1332, 1151, 987, 102, 11, 12, 19, 188, 285, 796,
 430, 399, 268, 432, 426, 884, 65, 1325, 216, 990, 1104]. **Decisions** [1323].
Declarative [345]. **Decomposed** [654]. **Decomposing** [81].
Decomposition [836, 974, 267, 134, 862]. **Deductive**
 [1000, 584, 182, 892, 1218]. **Default** [90, 251]. **Defeasibility** [151].
Defeasible [340]. **Definability** [319, 530]. **Defined** [1008, 1075, 1294].
Defining [1089, 1394, 1405]. **Definite** [156]. **Definition** [1279, 1104, 286].
Definitions [853, 8]. **Deforestation** [607]. **Degree** [462, 1222, 1118]. **Delay**
 [193, 1287, 860, 626, 367]. **Delay-Insensitive** [193, 860, 626, 367]. **Delays**
 [857]. **deliverability** [252]. **Delivery** [648]. **Demands** [648]. **Demarcated**
 [1380]. **Denial** [446]. **Denial-of-Service** [446]. **Denotational**
 [1209, 1217, 1214, 480]. **Dense** [1359, 1088, 1389]. **Dense-time** [1389].
Density [1273, 600]. **Density-Based** [600]. **Deontic** [144, 146, 145, 150].
Dependable [22]. **Dependence** [1222]. **Dependencies**
 [620, 394, 1262, 793, 20, 399, 638]. **Dependent** [592, 597]. **Dependently**
 [529]. **Depending** [285]. **Depends** [69]. **Depth** [198, 11]. **Derivable** [795].
Derivation [322, 1303]. **Derivatives** [79]. **Derived** [307]. **Deriving** [66].
Descent [917]. **Described** [654]. **Describing** [400, 199]. **Description**
 [342, 819, 1373, 493, 1198, 1377, 25, 995, 1297, 1370, 329, 376, 992].
Descriptive [302, 1140, 286]. **Descriptions** [444]. **Descriptive** [189].
Design [856, 1164, 1106, 1334, 17, 624, 1133, 46, 49, 578, 579, 457, 1336, 240].
Designated [410]. **Designing** [1190, 718, 1381, 775]. **Designs** [1082].
Detecting [548, 456]. **Detection**
 [1011, 312, 1021, 1356, 1194, 1054, 359, 665]. **Determinacy** [1169].
Determinants [1212]. **Determining** [678]. **Deterministic**
 [185, 304, 721, 365, 503, 724, 1080, 12, 707, 521, 155, 330]. **Devaney** [1142].

Development [625, 1193, 1286, 1118]. **Developments** [818]. **Devices** [872]. **devising** [370]. **DFCA** [490]. **Di-Algebraic** [641]. **Diagnosing** [287]. **Diagnosis** [1383, 1168, 1179, 555, 264, 388]. **Diagonal** [897, 583]. **Diagrams** [94, 1332, 884]. **Dialogue** [783]. **Dichotomic** [544]. **Did** [963]. **Difference** [1254, 262]. **Differences** [883]. **Differencing** [632, 1022]. **Different** [191, 1131, 1383, 373, 1172, 107, 290, 1364, 216]. **Differential** [1352, 5, 1403]. **Differentiating** [525]. **Diffusion** [1280, 241]. **Digit** [1003]. **Digital** [120, 1248, 1197, 1213, 360, 470, 1276]. **Dijkstra** [47]. **Dimension** [200]. **Dimensional** [1173, 1201, 775, 1236, 231, 365, 241]. **Dimensions** [510]. **Dining** [688]. **Diophantine** [325]. **Direct** [166, 500, 1080]. **Disabling** [738]. **Disabling/Enabling** [738]. **Disagreement** [788]. **Disambiguation** [1252, 520]. **Disassembly** [131]. **Discover** [963]. **Discovering** [119, 379, 116, 413]. **Discovery** [877, 1074, 649, 431, 1331]. **Discrepancies** [890]. **Discrepancy** [1357]. **Discrete** [836, 766, 686, 1073, 1402, 305, 1341, 1084, 965, 817, 922, 1390]. **Discrete-time** [1390]. **Discretization** [1316, 1260]. **Discs** [1248]. **Disjunctive** [657, 584, 642, 461]. **Disorders** [1383]. **Dispersed** [1353]. **Disruption** [591]. **Dissimilar** [1147]. **Dissimilarity** [904]. **Dissolution** [1124]. **Distance** [124, 843, 496, 735, 1097, 5, 153, 1090, 613]. **distinguishing** [1108]. **Distortions** [1264]. **Distributed** [400, 423, 821, 941, 56, 713, 137, 42, 823, 45, 211, 411, 509, 1341, 1194, 1257, 214, 281, 282, 444, 1277]. **Distribution** [1062, 743]. **Distributions** [1219, 729]. **Divergence** [599, 1304]. **Divide** [811]. **Divide-and-Conquer** [811]. **Division** [1124]. **DNA** [735, 1135, 379, 670, 172, 173, 794, 174]. **DNA-Worm-Objects** [174]. **Do** [1174]. **Doctrine** [1210]. **Does** [500]. **Domain** [1372, 632, 544, 387, 875, 1221, 1266]. **Domain-oriented** [1221]. **Domain-Specific** [544]. **Domains** [1198]. **Dominance** [1317, 94, 432]. **Dominance-Based** [1317]. **Dominant** [984]. **dominated** [1018]. **Double** [1186]. **Double-Tree** [1186]. **Down** [81]. **Doyle** [1365]. **Driven** [1040, 1339, 1221]. **DRM** [1190]. **DSD** [382]. **Dual** [682, 168, 690, 441, 334, 1205, 149]. **Dual-Pair** [1205]. **Dualities** [965]. **Duration** [27, 443]. **during** [328]. **Duties** [147]. **DWT** [359]. **DWT-based** [359]. **Dynamic** [1059, 819, 610, 1168, 101, 538, 1179, 680, 39, 209, 346, 791, 684, 1338, 42, 648, 280, 1324, 211, 411, 385, 845, 117, 1349]. **Dynamical** [57, 768]. **Dynamically** [1360]. **Dynamics** [1242, 371, 801, 542].

Easy [1184]. **ECA** [993]. **Eco** [57, 827, 828]. **Eco-Grammar** [57, 827, 828]. **Economics** [728, 1223]. **ECTL** [1091]. **Edge** [750, 1021, 359]. **Edge-based** [1021]. **Edges** [364]. **Editing** [980]. **Effect** [275, 359]. **Effective** [1180, 1230, 1388, 555, 237, 155]. **Effects** [1149, 1023]. **Efficiency** [1030, 1050, 1124]. **Efficient** [1167, 934, 1196, 614, 466, 318, 1332, 323, 661, 1176, 321, 1185, 140, 1297, 846, 881, 920, 775, 876, 672]. **Efficiently** [382, 545]. **Effort** [1337]. **Eikonal** [5]. **Eilenberg** [160]. **Elastic** [116]. **Election** [934, 392, 582]. **Electronic** [52, 761]. **Element** [1306, 1307].

Elementary [71, 528, 871, 1160, 412, 194, 329]. **Elements** [290].
Eliminating [322, 588, 1378]. **Elimination** [606, 855, 76]. **Eliptic** [622].
Elliptic [1145]. **Embedded** [1247, 545]. **Embedding**
 [993, 754, 1147, 1148, 393, 769, 751, 736, 367, 1388, 1052, 1255, 1186, 470, 1155].
Emergence [1211]. **Emerging** [1365]. **EMG** [1383]. **Emphasizing** [1381].
Empirical [1216, 651]. **Empiricism** [100]. **Emptiness** [887, 630]. **Enabling**
 [738]. **Encoding** [456, 1109, 192]. **Encrypting** [672]. **Encryption**
 [946, 1213]. **Energy** [764, 168, 238]. **Enforce** [1284]. **Enforcing** [807].
Engine [838]. **Engineering** [1188]. **Enhance** [403]. **Enhanced** [740, 446].
Enquiry [837]. **Ensemble** [816]. **Ensembles** [1319, 135]. **Entish** [400].
Entropies [781]. **Entropy** [136, 1013, 844, 265, 521]. **Enumerable**
 [498, 511, 1017]. **Environment** [1179, 1149, 827, 968]. **Environment-aware**
 [1149]. **Environmental** [1023]. **Environments**
 [97, 346, 791, 1386, 626, 74, 1111, 282]. **Epistemic** [476, 1365, 298].
Equalities [262]. **Equality** [851]. **Equals** [720]. **Equation** [1196, 299, 133].
Equational [595, 868, 268, 592, 597]. **Equations** [679, 973, 226, 773, 325].
Equilibrium [343]. **Equivalence** [36, 482, 1287, 155, 1038, 261].
Equivalences [674, 1193, 420]. **Equivalent** [808, 1302]. **Erratum** [977].
Error [1011, 1338, 394]. **Error-Robust** [394]. **Essay** [800]. **Establishment**
 [1330]. **Estimating** [263]. **Estimation** [1094, 193, 1320, 1077, 1015, 651].
Ethics [936]. **Etna** [1134]. **Euler** [811, 350]. **Evaluation**
 [1344, 1267, 1341, 414, 1134]. **Event** [674, 993, 591, 40, 738, 51, 836].
Event-B [836]. **Eventually** [334]. **Evolution** [328, 5, 1403]. **Evolutionary**
 [1225, 1228, 1345, 1260, 1348, 1125, 309]. **Evolutions** [207]. **Evolving** [1162].
Exact [639, 200]. **Example** [223]. **Examples** [849]. **Exceptions** [1000].
Exchange [1190]. **Exclusive** [1345]. **Execution** [890, 838, 346, 1348].
Exercise [625, 937]. **Exercises** [272]. **Exhaustiveness** [788]. **existence**
 [325]. **Existential** [1378, 897]. **Expansion** [1254]. **Experiment** [275].
Experimental [1172, 431]. **Experiments** [1248]. **Explanations** [890].
Explicit [971, 74, 1304]. **Exploiting** [663, 1082, 398]. **Exploring** [1128].
Expressible [1076]. **Expressing** [677]. **Expression**
 [882, 164, 917, 1086, 1300, 1196]. **Expressions** [585, 616, 255, 1256, 314].
Expressiveness [1157, 1292, 855, 1389, 1390]. **EXPTIME** [785].
EXPTIME-complete [785]. **Extended**
 [1316, 331, 646, 1008, 406, 1033, 355, 966, 1350, 364]. **Extensible** [838].
Extension [459, 1377, 17, 1139, 916, 142, 251]. **Extensionality** [308].
Extensions [920, 1272]. **extensive** [1087]. **External** [510, 13, 1031, 178].
Extracting [1053]. **Extraction** [565, 845, 388]. **Extractive** [1207].
Extreme [574].

Face [1320, 441]. **facet** [1059]. **Factorization** [1397]. **Factors** [522]. **Failure**
 [243, 1068, 1387, 334]. **Fair** [1190]. **Fairness** [44, 412]. **Families**
 [1397, 232, 1014, 171]. **family** [325]. **Fast**
 [495, 1253, 316, 312, 1356, 442, 1143]. **Faster** [718, 1398]. **Fault** [1168, 1179].

Faults [304, 555]. **FC** [84]. **FC-Normal** [84]. **Feasibility** [238]. **Feasible** [472]. **Feature** [1064, 1264, 845, 117, 708]. **Features** [1364, 833]. **Feedback** [639, 451]. **Feedforward** [86, 103]. **Few** [1159]. **Fifth** [1106]. **Figures** [232]. **File** [442]. **Filter** [132]. **Filtering** [313, 442, 700]. **Finding** [1094, 29, 890, 1308]. **Finitary** [929, 460]. **Finite** [37, 1166, 1372, 224, 634, 717, 929, 983, 1065, 1267, 1008, 501, 1075, 1033, 959, 987, 1343, 772, 595, 1306, 1307, 730, 522, 1143, 1090]. **Finite-State** [929, 987]. **Finiteness** [330]. **Firing** [1327, 233, 51, 775, 1233]. **First** [551, 924, 1019, 32, 692, 1312, 433, 587]. **First-Order** [924, 1019, 433, 32, 692, 1312]. **Five** [1233]. **Five-State** [1233]. **Fixed** [144, 814, 530, 531, 369]. **Fixed-Point** [531, 144]. **Fixpoint** [292, 895, 896]. **Flat** [1239, 569, 689]. **Flavours** [1236]. **Flexible** [590, 572, 1355]. **Flow** [402, 277, 107, 682, 685, 1069, 515, 1134, 1170]. **Flows** [1329, 23]. **Folding** [612, 1378]. **forbidden** [317]. **Forbidding** [165]. **Force** [1383]. **Foreword** [869, 361, 158, 310]. **Fork** [209]. **Fork-Join** [209]. **Form** [1374, 846, 1265]. **Formal** [1279, 625, 787, 758, 467, 468, 944, 878, 670, 910, 33, 236, 650, 1270, 1275, 457, 1218, 1223, 473, 286]. **Formalisation** [15]. **Formalising** [926]. **Formalism** [1387, 45, 579]. **Formalisms** [302, 127]. **Formalization** [42, 943, 177]. **Formalized** [1286]. **Formalizing** [24, 340]. **Formation** [576, 472]. **Forms** [191, 423, 507, 159]. **Formulas** [407, 568, 1067]. **Forward** [837, 582]. **Foundation** [55, 867, 844]. **Foundational** [1192, 849]. **Foundations** [739, 374, 668, 892, 556, 605, 1209, 1217]. **founded** [461]. **Four** [1231, 1038]. **Fourier** [1402]. **Fourth** [856]. **Fractal** [1141, 200, 360]. **Fragile** [1197]. **Fragment** [101, 212, 897]. **Fragments** [924]. **Frames** [149, 1133]. **Framework** [851, 882, 1400, 1132, 1318, 529, 566, 338, 786, 680, 747, 1199, 546, 878, 1081, 395, 415, 1393, 449, 1223, 593, 939, 1089, 1394, 1405]. **Fredkin** [771]. **Free** [971, 927, 1006, 718, 455, 499, 350, 974, 1203, 608, 638, 98, 78, 322, 1359, 557, 692, 63, 696, 695]. **Free-Choice** [455]. **Frequent** [550, 1172, 546, 545]. **Friendly** [1362]. **frontier** [288]. **Full** [808, 321]. **Full-Searching-Equivalent** [808]. **Full-Text** [321]. **Fully** [740]. **Function** [1344, 1361, 1099, 873, 1313, 846, 357]. **Functional** [394, 793, 638, 215]. **Functions** [765, 666, 198, 717, 337, 118, 536, 153, 65, 7]. **Fundamenta** [2, 1326]. **Fundamental** [748, 1223]. **Fundamentals** [1188, 1315]. **Further** [1250, 505]. **Fusion** [132]. **Future** [648]. **Fuzzification** [831]. **Fuzzy** [1131, 106, 353, 244, 646, 406, 437, 539, 337, 954, 1118, 80, 956, 1151, 31, 995, 947, 873, 1101, 1152, 1113, 269, 1056, 1144, 898, 1406, 249].

Galois [814, 793, 421]. **GALS** [1337]. **Game** [77, 950, 842, 263]. **Games** [180, 554, 850, 201]. **Gap** [1013, 798, 27]. **Gapped** [313]. **GAPS** [1369]. **GASP** [1375]. **GDPLL** [646]. **Gene** [882, 164, 1050, 724, 255]. **General** [1400, 1199, 546, 1242, 161, 990]. **Generalised** [837]. **Generalization** [1249, 113, 1312, 975, 612]. **Generalizations** [530, 1022]. **Generalized** [551, 210, 118, 1311, 893, 630, 419]. **Generated** [784, 1350]. **Generating** [804]. **Generation** [327, 1010, 1253, 611, 82, 1143, 240, 372, 885, 1290].

Generic [1251, 1330]. **Genetic** [1132, 1094, 493, 1018, 1098, 1384, 600, 601, 1134, 1056]. **Genome** [722].
Geodesy [110]. **Geometric** [1264, 1153]. **Geometrical** [769, 235].
Geometry [71, 99, 507]. **Girard** [1266]. **Girth** [486]. **Global** [681, 1313, 1297, 214]. **Gödel** [958]. **GOLOG** [339]. **GP** [165]. **Graded** [1376, 407]. **Grammar** [818, 302, 821, 57, 713, 822, 824, 825, 823, 827, 1306, 917, 1086, 1300, 828, 829, 1218]. **Grammars** [492, 494, 1303, 1117, 981, 181, 498, 646, 942, 503, 307, 504, 506, 794, 63, 1140, 139, 82, 510, 511, 245, 512, 513, 1026]. **Grams** [313]. **Granularity** [1222].
Granule [134]. **Granules** [1317, 1074]. **Granulometries** [4]. **Graph** [1112, 486, 1359, 614, 747, 748, 942, 549, 349, 749, 351, 547, 1035, 1306, 1220].
Graph-based [547]. **Graph-Structured** [549]. **Graph-Theoretical** [486].
Graphs [780, 750, 1285, 751, 748, 752, 455, 1107, 350, 546, 59, 462, 347, 235, 795, 915, 515, 64, 26, 919, 762, 862, 543]. **Gray** [1356]. **Gray-Level** [1356].
Grayscale [1115, 636, 866, 865, 1099]. **Greedy** [1099, 1269, 1314, 1093].
Grey [6]. **Grid** [810, 1186]. **Grids** [1362]. **Ground** [77, 1019, 1178, 1350].
Grounding [1375]. **Group** [1241]. **Groups** [576]. **Growing** [1183]. **Growth** [1034]. **Grzegorzczuk** [949, 960, 967, 969]. **Guarantees** [810]. **Guided** [629].
Gumbel [760].

Haines [1230]. **Hairpin** [670]. **half** [923]. **Halftoning** [594]. **Halting** [1226, 889, 1114]. **Hamming** [843]. **Handling** [1181, 1338, 661, 1257, 140, 155, 700]. **Hard** [1243]. **Hardness** [22].
Harmonic [886]. **Harmony** [1352]. **Hashing** [633]. **having** [261]. **Hazard** [1165, 1134]. **Help** [646]. **Heterogeneous** [119]. **heuristic** [629]. **Heuristics** [311]. **Heyting** [481, 965]. **Hidden** [1094, 1241, 879]. **Hiding** [354, 538, 1361, 632, 843, 830, 1115, 978, 640, 1099, 988, 1254, 1022, 1255, 360].
Hierachy [1049]. **Hierarchical** [296, 879, 1332, 25, 280, 1208]. **Hierarchies** [10, 290]. **Hierarchy** [971, 1037, 807, 1346, 235, 412, 1017]. **High** [1115, 552, 534, 747, 752, 682, 554, 1151, 187, 988, 1058]. **High-Level** [552, 534, 747, 752, 682, 187]. **High-Performance** [988]. **Higher** [223, 565, 1060, 276, 607, 638]. **Higher-Order** [276, 638]. **Highly** [1240].
Higman [766, 1230]. **Hillclimbing** [601]. **Hirschberg** [315]. **Histogram** [1253, 803, 833]. **History** [1244, 1072, 1163]. **HLR** [748]. **HMM** [1094].
HMM/ANN [1094]. **HMMs** [1094]. **Hoc** [1179]. **HOL**. [1044]. **Hole** [659, 769]. **Homage** [800]. **Homogeneous** [827, 1036, 139, 1395].
Horizontal [364]. **Horn** [1199]. **hp** [1307]. **hp-Finite** [1307]. **Huffman** [466]. **Hulls** [6]. **Human** [1383, 798, 358]. **Hunt** [315]. **Hwang** [253].
Hwang-Shi [253]. **Hybrid** [1094, 1064, 947, 873, 939]. **Hyper** [642, 1213].
Hyper-chaotic [1213]. **Hyper-Resolution** [642]. **Hyperbolic** [424, 324, 1313, 237, 370]. **Hypergraph** [943, 1367]. **Hypergraphs** [1251].
Hyperplane [432]. **Hypertext** [1393]. **Hypothesis** [1174].

ICGT [746]. **ID** [1049, 1208]. **ID-Based** [1049, 1208]. **Idea** [990]. **Ideal**

[113]. **Ideals** [663]. **Identical** [77]. **Identification** [676, 779]. **Identifying** [1080]. **Identity** [946, 150]. **Identity-Based** [946]. **II** [168, 1217, 482, 756, 468, 1307, 1275, 597, 1222, 896]. **III** [1272]. **Illustrated** [643]. **ILP** [333]. **Image** [354, 436, 538, 632, 843, 830, 1197, 242, 811, 984, 1251, 1320, 720, 636, 640, 866, 865, 1099, 3, 1402, 669, 1052, 1021, 1141, 1382, 1213, 1367, 1392, 358, 617, 444, 833, 1207, 445]. **Image-based** [1320]. **Imagery** [1113, 1056]. **Images** [458, 754, 1115, 1116, 1148, 736, 25, 1022, 1356, 1152, 1054, 1205, 470, 1276]. **Imbalanced** [1219, 700]. **Immediate** [1139]. **Immunological** [1345, 1348]. **Impact** [985, 608]. **Imperative** [930]. **Imperatives** [148]. **Imperfect** [383]. **Implementation** [1282, 626, 47, 1185, 861, 1368, 289]. **Implementations** [240]. **Implementing** [1121, 609, 198]. **Implication** [783, 1055, 266, 113]. **Improve** [548, 943]. **Improved** [1352, 1250, 636, 1382, 1035, 862, 1154]. **Improvement** [358]. **Improvements** [422]. **Improving** [48, 1091]. **Incidence** [602]. **Including** [226]. **Inclusion** [1172, 1118, 31]. **Inclusion-degree-based** [1118]. **Incomplete** [781, 467, 468, 267, 1322, 202]. **Inconsistency** [958, 1257]. **Inconsistent** [1053, 65]. **Incremental** [627, 1053, 1324, 390]. **Indeed** [1136]. **Indefinite** [182]. **Independence** [620, 1212, 286]. **Independency** [729]. **independent** [306]. **Index** [658, 978, 1201, 541, 321, 442]. **Indexed** [1317, 1014]. **Indexing** [120, 1201, 643, 444, 326]. **Indicators** [1038]. **Indices** [486]. **Indiscernibility** [197, 572]. **Induced** [353, 729, 1090]. **Inducing** [1324]. **Induction** [953, 1302, 225, 264, 1325, 651]. **Inductive** [527, 1228, 384]. **Inequality** [808]. **Inf** [85]. **Inf-Compact** [85]. **Infants** [1068]. **Inference** [942]. **Inferences** [1262]. **Infinigons** [324]. **Infinitary** [868]. **Infinite** [971, 1342, 460, 1340, 616, 561, 464, 285, 291, 64, 200, 644, 1246]. **Infinite-State** [1340, 644]. **Infinity** [962]. **Influence** [635]. **Infomorphisms** [282]. **Informaticae** [1326]. **Informatics** [1210, 1209, 1217, 1214]. **Information** [66, 197, 778, 402, 781, 599, 146, 1353, 277, 28, 248, 785, 336, 685, 1069, 793, 168, 844, 1324, 1255, 20, 1024, 285, 291, 935, 1296, 371, 50, 200, 155, 761, 134, 386, 577, 920, 990, 1104, 598, 356]. **Information-Hiding** [1255]. **Information/Energy** [168]. **Ingredients** [683]. **Inhabitants** [72]. **Inheritance** [66]. **Inhibitor** [194]. **Inhibitory** [1296]. **Initialized** [1357]. **Injectivity** [179, 1313, 517, 731]. **Inner** [266, 1104]. **Input** [136]. **Inputs** [22]. **Insensitive** [193, 860, 626, 367]. **Insertion** [1303, 684, 1109, 511]. **inspirational** [923]. **Inspired** [1197, 1125]. **Instance** [66, 225]. **Instance-Based** [225]. **instances** [257]. **Instantaneous** [123]. **Instantiated** [1360]. **Instantiation** [836, 534, 612]. **Institution** [306]. **Institution-independent** [306]. **Institutionalized** [145]. **Instruction** [1360]. **Instructions** [1360]. **Instrument** [886]. **Integer** [1331]. **Integral** [1353]. **Integrated** [628]. **Integrating** [423, 1372, 1163]. **Integration** [845, 117, 1325]. **Integrity** [667, 1058]. **Intelligence** [1127, 1379, 1351]. **Intelligent** [120, 346, 515]. **Intent** [119]. **Intentions** [220]. **Inter** [240]. **Inter-Cell** [240]. **Interacting** [230, 1268, 411]. **Interaction** [71, 423, 1243].

Interactions [1023]. **Interactive** [54, 590, 732, 592, 597]. **Intercode** [813].
Interconnect [1337]. **Interconnection** [107]. **Interconnections** [222].
Interesting [954]. **Interface** [30, 1001]. **Interfaces** [925, 373, 998].
Interference [205, 273]. **Interleaving** [1001]. **Intermediate** [1073, 239].
Intermolecular [1050]. **Internal** [927, 499, 593, 1335]. **Internet**
[1162, 1274]. **Interplay** [1034]. **Interpolating** [354]. **Interpolation**
[551, 440, 381]. **Interpretation** [401, 563, 277, 1042, 997, 969, 1212].
interpretations [526]. **Interpreted** [901, 716]. **Intersection** [78, 322, 853].
Intersections [778, 887]. **Interval** [1406]. **Interval-Valued** [1406].
Intrinsic [332]. **Intrinsically** [1236]. **Introduction** [228, 542, 895, 896].
Introns [588]. **Introspection** [565]. **Intrusion** [312]. **Intuitionistic**
[24, 101, 1406, 1041]. **Invariance** [986]. **Invariant** [1264, 1153]. **Invariants**
[871, 1082]. **Inverse** [594]. **Inversion** [559]. **Investigating** [1219]. **Invisible**
[470]. **Invitation** [954]. **Invited** [1058]. **Involution** [1100]. **IP** [320].
Irreducible [796, 1335]. **Irrelevance** [26]. **Irrelevant** [548]. **Isolated** [576].
Isolation [886]. **Issue** [856, 877, 1164, 1106, 1119, 1120, 1334, 1396, 746].
Issueon [624]. **Issues** [789, 1104]. **Italiano** [1185]. **Iteration**
[78, 322, 1095, 38, 497]. **Iteration-free** [78, 322].

Jacobi [806]. **Jacopini** [75]. **Java** [1000, 565, 1060, 1282, 1080, 1299, 1092].
Job [1355]. **Job-shop** [1355]. **Join** [209, 1100].

KDS [586]. **KDS-transformation** [586]. **Kernels** [1046]. **Key**
[807, 1049, 446]. **Keys** [638]. **KGL** [18]. **Khepera** [578]. **Kleene** [595].
Knapsack [1125, 257]. **knapsack-type** [257]. **Knapsacks** [54]. **Know** [475].
Knowledge [877, 1315, 467, 468, 1252, 1078, 648, 692, 737, 1324, 18, 387, 214,
698, 341, 390, 478]. **Knowledge-Based** [1252, 478]. **Known** [323, 622].
Kolmogorov [1015]. **Krivine** [1042, 1044].

Labeled [546, 184]. **Labels** [392, 398]. **Lambda** [847, 528, 524, 59, 89].
Lambek [307]. **Language** [852, 400, 709, 1279, 1372, 926, 625, 15, 928, 460,
705, 1073, 1075, 670, 171, 1294, 19, 108, 798, 773, 184, 480, 1211, 236].
Languages [991, 950, 971, 1166, 1342, 1237, 739, 231, 784, 38, 125, 1006, 1363,
1096, 496, 497, 981, 498, 1346, 1008, 499, 719, 813, 974, 1203, 1183, 1216, 616,
307, 504, 872, 569, 689, 82, 511, 696, 802, 1016, 330, 1218, 671, 317]. **Large**
[1148, 140]. **Larger** [1247]. **Largest** [1359]. **Latency** [193]. **Latin** [1036].
Lattice [663]. **Lattices** [106, 783, 758, 814, 1305, 868, 1206, 703, 249, 110].
Lava [1134]. **Law** [151]. **Laws** [1245]. **Layers** [1082]. **Lazy** [1375, 202]. **LCS**
[315]. **LDA** [441]. **LDYIS** [1081]. **Leader** [392]. **Learnability** [976].
Learning [9, 782, 1319, 181, 86, 103, 621, 544, 879, 225, 1175, 548, 1098, 1048,
547, 332, 1014, 355, 183, 1322, 333, 1178, 384, 255, 694, 664, 761, 433, 520].
Least [21]. **Leibniz** [963]. **LEM2** [1071]. **LEM2-like** [1071]. **Lemmata**
[38, 497]. **Length** [439]. **Letter** [718]. **Level**
[656, 1180, 552, 534, 747, 752, 405, 682, 1356, 187, 130, 457]. **Levels** [1281].

Leveraging [1178]. **Libraries** [120]. **Library** [175]. **Life** [500, 777]. **Light** [500]. **Like** [814, 327, 1071]. **Likely** [1094]. **Limited** [230, 946, 1087]. **Limiting** [1001]. **Limits** [753]. **Linda** [480]. **Lindenmayer** [87]. **Line** [1186, 705]. **Linear** [852, 1131, 1167, 38, 39, 1079, 760, 201, 601, 966, 968, 363, 1212, 1331, 1011]. **Linearly** [815]. **Linguistic** [867]. **linked** [1276]. **Links** [582]. **Literals** [832]. **Living** [168]. **Load** [1116]. **Loading** [884]. **Local** [750, 681, 932, 499, 1071, 915, 117, 1348, 356, 855, 582]. **Localities** [1160]. **Locally** [795]. **Located** [435]. **Locations** [852]. **Löf** [851]. **Logarithm** [305]. **Logic** [734, 996, 1039, 1371, 391, 197, 778, 1028, 655, 1041, 551, 144, 1061, 589, 657, 146, 101, 147, 999, 1272, 528, 28, 785, 336, 788, 890, 982, 39, 1199, 1267, 337, 954, 1019, 956, 438, 878, 998, 186, 278, 476, 687, 986, 627, 949, 692, 1366, 102, 995, 340, 960, 507, 961, 1178, 84, 1058, 1194, 21, 292, 642, 1297, 150, 268, 426, 151, 602, 27, 1055, 966, 1378, 449, 76, 895, 896, 970, 251, 992, 249]. **Logic-Based** [890, 1194, 992]. **Logical** [851, 474, 481, 482, 529, 1195, 1184, 508, 966, 247, 266]. **Logics** [342, 951, 1373, 145, 68, 248, 786, 1047, 789, 983, 244, 544, 635, 932, 1377, 1310, 41, 80, 148, 448, 149, 32, 1365, 641, 516, 222, 1370, 895, 896]. **Logistic** [760]. **LoLA** [281]. **Long** [1070, 672]. **Long-running** [1070]. **Look** [594]. **Look-Up** [594]. **Lookup** [320]. **Looping** [675]. **Lossless** [978, 1251]. **Low** [735, 462, 1357, 1105]. **Low-complexity** [735]. **Low-cost** [1105]. **LR** [559]. **LSB** [1361]. **LTF** [270]. **LTF-C** [270]. **Lukasiewicz** [972, 602, 222].

Machine [479, 502, 501, 520]. **Machines** [160, 835, 9, 1238, 1228, 903, 1229, 840, 759, 280, 763, 1231, 1298, 178, 841, 596, 839, 419, 1234, 1207, 445, 199]. **Macro** [1181]. **Made** [1184]. **Magnetic** [264]. **Magnitude** [589]. **Maintain** [382]. **Making** [259, 927, 1104]. **Managed** [1337]. **Management** [120, 880, 46]. **Many** [481, 482, 1159, 510]. **Mapping** [179, 1307, 775]. **Mappings** [517, 731]. **Maps** [386, 420]. **Marcus** [503, 510]. **Marginalia** [75]. **Markings** [678]. **Markov** [185, 1094, 879, 1340, 987]. **Markovian** [1139]. **Markup** [991]. **Martin** [851]. **Martin-Löf** [851]. **MAS** [687, 649]. **Masking** [359]. **Match** [470]. **Matching** [1030, 740, 1361, 311, 466, 705, 318, 116, 530, 1035, 671]. **Matchmaking** [1370]. **Mateescu** [715]. **Mathematicae** [2]. **Mathematical** [486, 954, 956, 3, 1209, 1217]. **Mathematics** [800, 1214]. **Matrices** [1046]. **Matrix** [179, 406, 1152, 517, 731, 1222]. **Maurer** [940]. **max** [526, 462]. **MAX-BISECTION** [462]. **max-plus** [526]. **Maximal** [1397, 1398]. **Maximisation** [1037]. **Maximum** [1303, 1035]. **Mazurkiewicz** [923, 934, 924, 932, 1083, 936]. **MC** [201]. **McDermott** [1365]. **MCMAS** [914]. **MCMAS-X** [914]. **MDatalog** [108]. **Mealy** [419]. **Meaning** [819, 407, 568]. **Means** [919, 1144]. **Measure** [1363, 1152]. **Measurement** [1034]. **Measures** [302, 336, 31, 430, 803, 65, 1090]. **Measuring** [1358, 1380]. **Mechanism** [958]. **Mechanisms** [164, 859, 581, 195, 631]. **Mechanist** [958]. **Medical** [388, 287]. **Member** [979]. **Membrane**

[1119, 1120, 1280, 819, 491, 822, 167, 172, 159, 176, 13, 728, 537]. **Membranes** [352, 764, 161, 162, 327, 173, 706]. **Memory** [776, 304, 56, 1077, 1031]. **Memory-Based** [1077]. **Mereology** [792, 50, 96, 269]. **Mereotopology** [864, 98]. **Merging** [737, 1257]. **Message** [934, 493, 1388, 14, 195, 252, 679]. **Messages** [672]. **Meta** [629]. **Meta-heuristic** [629]. **Metadata** [120]. **Metalanguage** [18]. **Metalevel** [829]. **Method** [835, 1094, 436, 978, 1097, 559, 1099, 25, 183, 1369, 619, 1143, 217, 443, 833]. **Methodology** [1058, 457]. **Methods** [1060, 558, 467, 468, 384, 555, 1306, 1307, 49, 1144]. **Metric** [1216, 326]. **Metric-Based** [1216]. **Metrics** [863, 93]. **Micro** [1098]. **Microbiological** [675]. **Microprocessor** [1368]. **Mild** [726]. **Miller** [1004]. **Minimal** [1226, 58, 943, 11, 935, 1296, 623]. **Minimax** [1399]. **Minimisation** [1263]. **Minimization** [416]. **Minimizing** [217]. **Minimum** [639, 29]. **Mining** [1171, 1359, 633, 550, 1172, 1173, 544, 1151, 943, 408, 546, 878, 381, 1393, 884, 1221, 543, 545, 834]. **Mirkin** [79]. **Missing** [572]. **Mobile** [677, 219, 404, 681, 744, 279, 1333]. **Modal** [197, 951, 1028, 1272, 244, 635, 337, 1019, 343, 344, 814, 32, 1365, 960, 21, 108, 292, 892, 788]. **Modal-Like** [814]. **Mode** [824]. **Model** [1112, 423, 564, 1167, 740, 1383, 1345, 277, 1381, 113, 405, 1376, 1070, 744, 1340, 1332, 1268, 380, 168, 182, 530, 476, 688, 1078, 910, 410, 1295, 1322, 1081, 1298, 595, 1306, 212, 298, 1085, 916, 1348, 629, 841, 708, 1370, 698, 1270, 1275, 839, 473, 469, 897, 1154, 1406, 1208, 1211]. **Model-Based** [708]. **Modeled** [145]. **Modeling** [676, 791, 1066, 1216, 570, 211, 1103, 542, 1111, 484, 1404]. **Modelled** [913, 574]. **Modelling** [1279, 675, 1162, 1238, 15, 209, 296, 681, 824, 907, 33, 1330, 411, 573, 151, 828, 577, 1088, 593, 939]. **Models** [836, 36, 136, 1094, 625, 821, 1180, 107, 403, 879, 957, 628, 381, 1388, 21, 297, 431, 413, 132, 1274, 654, 53, 420, 22, 1223, 540, 623]. **Modification** [209]. **Modified** [594, 1153, 1144]. **Modular** [1343, 861]. **Modularity** [753]. **Module** [30]. **Modulus** [1099]. **Moisil** [972]. **Molecular** [564, 661]. **Moment** [736]. **Moments** [1383, 242, 1153]. **Monadic** [1267, 438, 27]. **Monitoring** [345, 346]. **Monocultures** [827]. **Monoidal** [391]. **Monoids** [727]. **Monotonic** [1019, 32]. **Monotonicity** [1319]. **Morphologicae** [2]. **Morphological** [9]. **Morphology** [3, 5]. **Most** [1094]. **Motifs** [379]. **MP3** [1385]. **mpleteness** [451]. **MPMA** [1312]. **MR** [1152, 1392]. **MRI** [1144]. **MSC** [570, 911]. **MSC-specified** [570, 911]. **MSO** [1047]. **Mt.** [1134]. **mu** [438]. **mu-Calculus** [438]. **Muller** [427]. **Multi** [474, 1171, 1059, 656, 1192, 1345, 538, 1097, 1047, 788, 1173, 39, 405, 791, 1201, 1175, 365, 278, 187, 910, 410, 648, 1355, 45, 130, 298, 1392, 1348, 1403, 1349, 287, 473]. **Multi-Agent** [474, 1345, 278, 910, 45, 1348, 473, 648, 298]. **Multi-bit-reference** [538]. **Multi-Criteria** [1097]. **Multi-Dimensional** [1173, 1201, 365]. **Multi-facet** [1059]. **Multi-Level** [656, 405, 130]. **Multi-modal** [788]. **Multi-objective** [1355, 1403]. **Multi-party** [1192]. **Multi-region** [39]. **Multi-Relational** [1171, 1175]. **Multi-Robot** [791]. **Multi-seed** [1392]. **Multi-swarm** [1355]. **Multi-Swarms** [1349]. **Multi-Tasking** [187]. **Multi-Valued** [1047, 410].

Multiactions [1139]. **Multiagent** [789]. **Multidimensional** [1249, 883]. **Multilateral** [477, 576]. **Multilayer** [1054]. **Multimedia** [120]. **Multimodal** [589, 68, 1310]. **Multipattern** [312]. **Multiple** [136, 625, 1064, 736, 1398, 504, 1101, 612, 828, 701, 22]. **Multiple-Clause** [612]. **Multiprocessor** [196]. **Multirepeats** [1398]. **Multiscale** [25, 5]. **Multisequential** [139]. **Multiset** [780, 171, 1293, 1294]. **Multiset-Based** [780]. **Multisplitting** [114]. **Multistage** [107]. **Multistrategy** [621]. **Multithreaded** [1000, 196]. **Multivalued** [1262]. **Muscle** [1383]. **Music** [886]. **Musical** [121]. **Mutation** [1352]. **Mutually** [1345]. **MV** [972, 615]. **MV-Algebras** [972, 615]. **my** [1302].

n [323]. **Name** [681, 1161]. **Narrowing** [133]. **Nash** [343]. **Natural** [496, 705, 956, 149, 1218]. **Near** [799, 1358]. **Nearness** [916, 799, 921, 1155]. **Necessity** [31]. **Necklaces** [1010]. **Negative** [642]. **Negligibility** [589]. **Negotiation** [576, 761, 581]. **Negotiations** [397, 477, 576]. **Neighborhoods** [874]. **Nested** [1374, 351, 45, 130, 211, 630]. **Nesting** [855]. **Net** [925, 1162, 1328, 1167, 274, 1285, 634, 534, 39, 127, 404, 567, 1065, 41, 279, 1160, 911, 1333, 297, 194, 1161, 133, 653, 207, 1343]. **Net-based** [1328]. **Nets** [1326, 1281, 37, 1166, 1342, 1329, 927, 1157, 62, 678, 1062, 125, 275, 566, 901, 1063, 1327, 552, 902, 209, 296, 276, 405, 567, 681, 682, 406, 1159, 17, 1076, 1138, 1108, 187, 933, 1079, 1292, 690, 909, 1387, 571, 1158, 1110, 45, 130, 211, 1389, 1390, 131, 412, 695, 132, 416, 574, 573, 51, 652, 919, 1088, 1301, 443, 218, 702, 660, 906, 1072, 1163, 1290, 294, 762]. **Network** [1247, 180, 88, 685, 1330, 1034, 1178, 1213]. **Networks** [1225, 1121, 29, 107, 86, 103, 1242, 355, 913, 900, 188, 237, 573, 542, 1308]. **Neural** [1121, 784, 86, 103, 1008, 662, 1123, 1213, 270, 1395, 1126]. **Neuro** [1132]. **Neuro-Genetic** [1132]. **Neuronmuscular** [1383]. **Newton** [963]. **NFA** [490]. **Nice** [714]. **NIL** [28]. **NN** [619]. **No** [710]. **Nodes** [1225]. **Noise** [1356]. **Non** [205, 273, 1018, 1011, 1019, 1321, 32, 855, 798, 299, 707, 215, 155, 576, 156, 1087, 240, 1233, 443, 252, 123, 249, 330]. **Non-Clausal** [156]. **non-commutative** [249]. **Non-Deterministic** [707, 155, 330]. **Non-dominated** [1018]. **Non-extensive** [1087]. **Non-functional** [215]. **non-Instantaneous** [123]. **Non-Interference** [205, 273]. **Non-Isolated** [576]. **Non-linear** [1011]. **Non-local** [855]. **Non-Monotonic** [1019, 32]. **Non-Numerical** [1321]. **Non-Optimum-Time** [1233]. **Non-Reachability** [299, 443]. **Non-Regular** [240]. **Non-Symbolic** [798]. **non-uniform** [252]. **Nonassociative** [307]. **Nondeterminism** [971, 230, 1150, 366]. **Nondeterministic** [1237, 28, 785, 1203, 561, 12, 730]. **Nonmodularity** [89]. **Nonmonotonic** [374, 142]. **Nonparametric** [1015]. **Nonstandard** [957, 250]. **Nonterminal** [1006]. **Nonunique** [392]. **norm** [391]. **Normal** [1374, 333, 159, 84, 141, 1265]. **Normalisation** [76]. **Normalization** [1041, 854]. **Normalized** [1305, 1102, 65]. **Normalized-scale** [1305]. **Normative** [152]. **Notation** [202]. **Note** [887, 1202, 426, 104, 733]. **Notion** [205, 273, 247, 329, 357]. **Novel** [658, 843, 640, 1049, 669, 1205]. **NP** [189].

Number [229, 811, 233, 369, 217]. **Number-Conserving** [233, 229].
Numbers [952, 769, 956, 898]. **Numerical** [930, 1321, 728]. **Numerous** [1116]. **Nuovo** [1190].

Object [258, 563, 902, 127, 209, 296, 404, 405, 681, 682, 1067, 1292, 279, 909, 1220, 1354, 202, 358, 671]. **Object-based** [358]. **Object-Net** [404].
Object-Oriented [671]. **objective** [1355, 1403]. **Objects** [55, 331, 904, 211, 174, 184, 514, 916, 799, 154, 580, 141, 617]. **Obligations** [1055]. **Observable** [1386]. **Observation** [767, 905]. **Observational** [674, 420]. **Observations** [717]. **Observers** [1168]. **Occurrence** [311, 41, 1387, 1152, 919]. **Occurrences** [715]. **Octahedra** [857]. **off** [1274].
Offline [1250]. **Often** [1174]. **OI** [113]. **OI-implication** [113]. **Omega** [417, 575, 697]. **Omega-product** [697]. **Omega-Products** [417, 575].
On-line [705]. **Once** [1174]. **One** [1191, 1236, 369, 227, 510, 246, 773, 876, 537, 231, 1245]. **One-Bit** [876].
One-Clock [1191]. **One-dimensional** [1236, 231]. **One-Turn** [227].
One-variable [773]. **One-Visit** [246]. **One-Way** [369]. **Online** [1250].
Online/Offline [1250]. **Ontologically** [1380]. **Ontologies** [338, 1286, 992].
Ontology [1288, 69, 213]. **OO** [1082]. **Open** [400, 453, 592, 597, 420, 523].
Opening [4]. **Operational** [398, 15]. **Operations** [1006, 1009, 1203, 375, 618, 428, 1026, 1336]. **Operator** [1352, 986, 1312].
Operators [85, 353, 657, 972, 621, 814, 531, 463, 965, 1090]. **Optimal** [718, 181, 114, 193, 316, 464, 1133, 601, 894, 1038, 1308]. **Optimality** [806].
Optimisation [815]. **Optimistic** [890]. **Optimization** [1353, 590, 193, 1074, 1354, 844, 430, 693, 1357, 1349, 283]. **Optimizations** [563]. **Optimizer** [1382]. **Optimum** [1129, 1233]. **Oracles** [141]. **Order** [223, 1060, 551, 589, 924, 276, 871, 1019, 607, 438, 1152, 1042, 48, 638, 433, 733, 420, 587, 565, 1267, 32, 692, 1312]. **Ordered** [316, 642]. **Orders** [262, 703]. **Ordinal** [1319, 112]. **Organisations** [910]. **Organized** [145].
Orientation [242]. **Oriented** [258, 1338, 46, 671, 1221]. **Other** [486]. **Otsu** [1253]. **our** [69]. **'Out-Gödel** [958]. **Outcomes** [761]. **Outfix** [974].
Outfix-Free [974]. **Outline** [1288]. **Output** [1169, 13, 178].
Output-Determinacy [1169]. **Overview** [550, 92, 487, 509, 653].
OverWords [1047]. **Ownership** [669].

PAC [9]. **package** [314]. **Packet** [107]. **Page** [816]. **Pair** [1205]. **Pairing** [69]. **Pairs** [851]. **Pairwise** [1321]. **Paper** [1197, 1302, 1058]. **Papers** [847, 746, 524]. **Paraconsistent** [668, 1404]. **Paradigm** [643, 269].
Paradigms [1214]. **Paradiso** [1190]. **Parallel** [302, 295, 614, 1303, 403, 1286, 870, 1268, 1140, 1256, 47, 1185, 1348].
Parallelism [1226]. **Parallelization** [1306, 1307, 8]. **Parameter** [1094, 193].
Parameterizations [531]. **Parameterized** [552]. **Parameters** [1060, 1282].
Parametric [1239, 857, 31]. **Parasitic** [1023]. **Pareto** [858]. **Parikh** [179, 1046, 517, 731]. **Parity** [1385]. **Parity-based** [1385]. **Parsable** [942].

Parser [917]. **Parsimoniously** [1227]. **Parsing** [559, 499, 917, 1086, 1300].
Part [1389, 1390, 592, 481, 482, 467, 468, 1306, 1307, 556, 605, 1270, 1275, 597, 895, 896, 1394, 1405]. **Partial** [1226, 1166, 1342, 1095, 79, 584, 796, 1269, 1314, 48, 420, 483]. **Partially** [1386, 1140, 184, 920]. **Particle** [1353, 1354, 1357, 815]. **Particles** [1349, 362].
Partition [180, 979, 886]. **Partitioning** [300, 1307]. **Partitions** [1226].
Parts [131]. **party** [1192]. **Passing** [934, 14, 679]. **Password** [604, 1145].
Past [1163]. **Path** [981, 1182, 908, 47, 1308]. **PathLog** [184]. **Patient** [52].
Pattern [1030, 1132, 676, 779, 942, 318, 1273, 368, 873, 834]. **Patterns** [633, 646, 418, 577, 1205]. **Pawlak** [776, 778, 1028, 793, 794, 777, 800].
Payload [1148]. **PCAM** [1307]. **PDL** [78, 322]. **Peak** [886]. **Pearson** [1212].
Pebble [232, 1181]. **Perceptron** [1054]. **Perceptual** [1358]. **Perfect** [633].
Performance [988, 1341, 414, 196]. **perICS** [1092]. **Perimeters** [617].
Periodic [1010, 363]. **Periodicity** [488]. **Permitting** [981]. **Permutation** [1036]. **Permutations** [891]. **Perseus** [1283]. **Persistence** [1281]. **Personal** [581]. **Persuasion** [1061, 1283]. **Petri** [1326, 842, 294, 37, 1166, 1342, 1329, 927, 1162, 1167, 1157, 274, 207, 552, 634, 534, 39, 127, 209, 296, 276, 405, 567, 682, 1065, 406, 1159, 17, 1076, 1138, 1108, 187, 933, 911, 571, 1110, 45, 130, 211, 1139, 1343, 1389, 1390, 131, 297, 132, 416, 574, 573, 1161, 133, 653, 652, 919, 817, 1301, 443, 702, 1072, 1163, 1290].
Petrinets [299, 215]. **Phase** [978, 1322]. **Pheromone** [1273]. **Philosophers** [937]. **Philosophy** [274, 949]. **Phones** [693]. **Photosynthesis** [176].
Phylogenies [863]. **Physical** [238]. **Pick** [648]. **Pick-up** [648]. **Picture** [1237, 327, 794, 330]. **Piecewise** [439]. **Piecewise-Quartics** [439]. **Pieri** [955]. **Pipeline** [193]. **Pixel** [632, 1254, 1022, 1113, 1056, 1205]. **Pixel-Value** [1022]. **Pixel-Values** [632]. **Pixels** [1361]. **Place** [1281, 1157, 62, 125, 207].
Place/Transition [1281, 62, 125, 207]. **Places** [1159]. **Plan** [890]. **Planar** [1186]. **Plane** [424, 324, 1313]. **Planning** [345, 1068]. **Platek** [61, 60]. **Play** [475]. **Plotkin** [1271]. **plus** [526]. **PMA** [58]. **Point** [557, 531, 1369, 98, 144].
Point-Free [98, 557]. **Points** [858, 814, 98, 1038]. **Polarizationless** [1124].
Polarized [1041]. **Policies** [258, 807, 1327, 1194]. **Polygonal** [1248].
Polymorphic [206, 671]. **Polynomial** [1037, 455, 257]. **Polynomial-Time** [1037, 455, 257]. **polynomials** [259, 354]. **Polyphonic** [1400]. **POMDP** [1048]. **Pomykała** [945]. **Pose** [1320]. **Poset** [663]. **Posets** [262]. **Positions** [152]. **Positive** [21]. **Possessing** [1116]. **Possibilistic** [336, 102, 898].
Possibility [787]. **Possibility-Theoretic** [787]. **Possible** [683, 825, 182, 155]. **Potential** [962]. **Power** [460, 721, 169, 1244, 174].
Practical [1030, 323, 946, 1333]. **Pragmatic** [792]. **Pragmatics** [1039, 1055]. **PRAM** [304]. **Pre** [1123]. **Pre-computed** [1123]. **Prebases** [79]. **Precursor** [794]. **Predator** [1023]. **Predator-Prey** [1023]. **Predicate** [1088, 895, 896]. **Predicate/Transition** [1088].
Predicate/Transition-Nets [1088]. **Predication** [1040]. **Prediction** [754, 1180, 866, 1137, 112]. **Predictive** [865]. **Preemptible** [187]. **Preface** [471, 645, 818, 948, 1156, 1224, 1235, 35, 122, 271, 293, 396, 348, 204, 143, 335,

91, 111, 70, 1, 190, 452, 429, 447, 377, 1209, 1217]. **Preference** [539].
Preferences [147, 347]. **Preferential** [1377, 1182, 1034, 34]. **Prefix**
[718, 1203]. **Prefix-Free** [718, 1203]. **Prefixes** [1343]. **Pregroups** [425].
Prelanguages [109]. **Preprocessing** [1060, 619]. **Preprocessor** [1282].
Prescribed [1014]. **Presentability** [894]. **Presentation** [1394, 1405].
Preservation [1247]. **Preserving** [925, 736, 885]. **Pretopologies** [385].
Preventing [1259]. **Prevention** [1387, 154]. **Previous** [966]. **Prey** [1023].
Pricing [810]. **Prime** [952, 974]. **Primes** [372]. **Primitive** [917]. **Principal**
[72, 528]. **Principle** [1302]. **Principles** [953, 1302, 647, 309]. **Prioritized**
[737, 1257]. **Priority** [443]. **Privacy** [880, 885]. **Probabilistic**
[564, 339, 1069, 260, 548, 506, 1366, 1141, 729]. **Probabilistically** [533, 553].
Probability [666, 889, 1114, 80, 344, 878, 571, 1366]. **Probably** [1284].
Problem [352, 1227, 821, 479, 751, 126, 1267, 720, 722, 233, 530, 909, 648,
320, 305, 975, 1382, 601, 518, 1025, 1104, 1233, 389, 1125, 251, 261].
Problems [486, 902, 715, 1240, 1048, 59, 1355, 5, 153, 1357, 1031, 239, 876,
105, 1265, 671, 523, 257, 314]. **Procedure** [489, 642, 151]. **Procedures**
[248, 268, 155]. **Process** [993, 435, 1283, 713, 38, 125, 879, 88, 1289, 1138,
186, 1341, 250, 761, 1270, 1275, 990, 938, 1331]. **Process-algebraic** [938].
Process-Specific [761]. **Processes** [185, 373, 274, 534, 404, 567, 1268, 860,
626, 933, 138, 987, 414, 415, 427, 697, 1087, 733, 593, 702]. **Processing**
[400, 614, 182, 3, 798]. **Processor** [304, 811]. **Processors** [1225, 47, 1185].
Product [307, 64, 697]. **Production** [15]. **Products**
[206, 982, 727, 417, 575]. **Professor** [776]. **Profile** [879]. **Program**
[610, 666, 609, 557, 559, 608, 611, 556, 605, 1245]. **Program-Size** [666].
Programmable [1306]. **Programming**
[734, 673, 899, 1057, 1278, 9, 565, 588, 562, 657, 538, 1375, 403, 680, 825, 347,
1058, 642, 202, 968, 592, 597, 839, 895, 478, 1331]. **Programs** [402, 1374, 930,
403, 1286, 558, 770, 855, 561, 995, 961, 84, 21, 292, 707, 1299, 1378, 14, 1092].
Progress [1171]. **Projection** [1083]. **Promela** [1084]. **Proof**
[1000, 106, 1004, 849, 374, 558, 891, 20, 642, 894, 1155, 1271].
Proof-Carrying [849]. **Proofs** [854, 850]. **propagating** [707]. **Properties**
[10, 677, 925, 926, 1167, 930, 704, 717, 973, 1241, 1013, 723, 1079, 690, 1311,
171, 1294, 1110, 961, 915, 48, 298, 215, 1016, 522, 1349, 733, 1265, 301, 906, 469].
Property [809, 888, 595, 729]. **Propositional** [891, 968]. **Propositions**
[997]. **Propositions-as-Types** [997]. **Protection** [669]. **Protein** [881].
Proteins [706]. **Protocol** [1162, 688, 582, 604, 914]. **Protocols**
[209, 446, 907, 1291, 913, 1295, 1081]. **Prototyping** [414]. **Prove** [299, 443].
Prover [1297]. **Proving** [489, 275, 566, 1347, 592, 597]. **Provision** [1337].
Proximal [1005]. **Proximity** [755, 756, 1155]. **Proxy** [323, 253, 622].
Pruning [657, 1356]. **PSO** [1356]. **PSO-SVM** [1356]. **PSPACE**
[352, 28, 932]. **PSPACE-Complete** [352, 28]. **Psychologism** [970].
Publication [1328]. **Pure** [820, 245]. **Purse** [837]. **Push** [81]. **Pushdown**
[971, 554, 1293, 1294, 227]. **Putnam** [888]. **Puzzle** [1227].

QoS [810, 1339, 1337]. **QoS-Driven** [1339]. **Qualitative** [97, 589, 92, 94, 50, 542]. **Quandary** [837]. **Quantaes** [1266]. **Quantification** [891]. **Quantifier** [692]. **Quantifier-free** [692]. **Quantifying** [1289]. **Quantitative** [1339]. **Quantization** [658, 808, 1385, 866, 1137, 669, 1255, 470]. **Quantization-Based** [1255]. **Quantum** [1236, 1241, 691, 1349, 1088, 1125]. **Quantum-Inspired** [1125]. **Quartics** [439]. **Quasi** [454, 336, 1038, 526]. **Quasi-indicators** [1038]. **quasi-interpretations** [526]. **Quasi-Possibilistic** [336]. **Quasi-static** [454]. **Queries** [331, 1182, 157]. **Query** [614, 461, 108, 184]. **Querying** [1244]. **Queues** [1245]. **Quotient** [389, 1308].

R. [542]. **Races** [401]. **Radial** [1130, 873]. **RAM** [841]. **Random** [941, 1362, 981, 1261, 1118, 760, 603, 1089]. **Randomized** [1219]. **Randomness** [1003, 223]. **Range** [933]. **Ranges** [221]. **Rank** [853, 496, 1097, 460, 1018, 975, 772]. **Ranking** [614, 1321, 397, 477]. **Rational** [474, 38, 1096, 769, 590, 720, 985, 831, 730]. **Rationalism** [100]. **Rationality** [539, 970]. **RBFFCA** [873]. **RCC** [540]. **RCC8** [308]. **Reachability** [126, 909, 300, 299, 239, 762, 443, 218, 301, 422, 583, 922]. **Reaction** [790, 241]. **Reaction-Diffusion** [241]. **Reactive** [453, 484]. **read** [1336]. **Real** [1248, 765, 219, 717, 448, 1078, 1341, 536, 1056, 240, 372]. **Real-** [1341]. **Real-Coded** [1056]. **Real-Time** [1078, 240, 372]. **Realizability** [1042, 1044]. **Reals** [1017]. **Reason** [213]. **Reasoning** [996, 1061, 124, 589, 147, 999, 92, 786, 406, 94, 1195, 867, 355, 84, 50, 386, 156, 580, 1404]. **Rebeca** [484]. **receptivity** [252]. **Recognition** [1132, 599, 232, 942, 1177, 1020, 19, 693, 708, 441, 886, 236]. **Recognizability** [1240]. **Recognizable** [1237, 1346, 831]. **Recognizer** [1124]. **Recognizing** [352, 710]. **Reconfiguration** [999, 42]. **Reconstruction** [1320, 654]. **Record** [52]. **Recording** [207]. **Records** [529]. **Rectangle** [1129]. **Rectangular** [1186]. **Recurrent** [973]. **Recursion** [61, 1043, 587]. **Recursive** [162, 765, 853, 1386, 130, 333, 536, 917, 894, 1245]. **Recursive-Descent** [917]. **Recursively** [498, 511]. **Reduced** [1116, 183]. **Reduces** [1227]. **Reducible** [900]. **Reducing** [51, 359]. **Reduction** [106, 1137, 59, 1109, 227, 434, 598, 1093]. **Reductions** [48, 105, 1265]. **Reducts** [796, 265, 434, 135]. **Redundant** [606]. **reference** [538]. **Refined** [436]. **Refinement** [836, 113, 1159, 501, 457]. **Refinements** [837, 243]. **Refining** [55]. **Regexpcount** [314]. **Region** [951, 99, 755, 756, 100, 623, 39]. **Region-Based** [99, 951, 755, 756, 100]. **Regions** [93, 95]. **Register** [424]. **Registers** [732]. **Regression** [112]. **Regular** [144, 1196, 1363, 497, 981, 1008, 1182, 719, 813, 974, 1203, 616, 462, 1256, 19, 1103, 1016, 104, 240, 317, 288, 314]. **regularities** [1032]. **Regulated** [227]. **Regulatory** [1247, 542]. **Rehashing** [669]. **Reinforcement** [1098, 664]. **Reiter** [1045]. **Related** [231, 303, 481, 482, 983, 733]. **Relating** [373]. **Relation** [757, 1287, 1051, 69, 738, 1027]. **Relation-Algebraic** [1027]. **Relational** [1171, 639, 331, 621, 1173, 547, 585, 944, 1177, 1305, 918, 1175].

Relations

[589, 1172, 533, 553, 393, 904, 31, 572, 1305, 20, 26, 729, 516, 155, 730, 282].
Relationship [1383, 504, 992]. **Relative** [785, 1137]. **Relativizing** [58].
Relaxed [180]. **Relevance** [161]. **Reliability** [451]. **Reliable** [29].
Remarks [871, 415]. **Remote** [1054, 1056]. **Reorganization** [193].
Replaceability [1328]. **Replacement** [747]. **Replicated** [160]. **Replication**
[1161]. **Repository** [120]. **Representability** [69]. **Representation**
[734, 1003, 92, 663, 406, 1036, 1083, 153, 26, 1367, 152]. **Representations**
[85, 1342, 498]. **Representative** [384]. **Representing** [994]. **Requirements**
[1257]. **Research** [954, 428, 923]. **Resemblances** [1358]. **Residual** [224].
Residuals [1212]. **Residuated** [620]. **Resistant** [446]. **Resolution**
[668, 1109, 292, 642, 832]. **Resolving** [119]. **Resonance** [264]. **Resource**
[810, 660, 294]. **Resource-Constrained** [660]. **Resources**
[590, 1123, 1380, 1087]. **Respect** [1003, 302]. **Respiratory** [1068].
Restarted [1176]. **Restarting** [503]. **Restoration** [1207]. **Restricted**
[352, 492, 983]. **Restriction** [979, 579]. **Restriction-Based** [579].
Restrictive [626]. **Result** [687]. **Resulted** [1382]. **Results**
[1258, 490, 854, 505, 89, 256, 22, 523, 90]. **Retaining** [555]. **Retracts** [797].
Retrenching [837]. **Retrieval** [118, 617, 833]. **Retrieving** [66]. **Revealed**
[539]. **Reversal** [1009]. **Reversible** [754, 771, 988, 1254, 259]. **Revision**
[463, 259]. **Revisited** [1165, 821, 757, 731]. **Revisiting** [274]. **Rewrite**
[610, 1350]. **Rewriting** [160, 767, 680, 998, 505, 105, 1265, 483, 518]. **RFCM**
[947]. **Rialto** [625]. **Rich** [593]. **Rings** [392]. **RIONA** [225]. **Risk** [357, 376].
Risk-type [376]. **Relationship** [438]. **Robinson** [969]. **Robot** [791, 578].
Robots [219, 828]. **Robust** [394, 1264, 1356, 708, 665, 1145]. **Roles** [145].
ROSECON [413]. **Rotation** [1227]. **Rough**
[1028, 655, 378, 676, 779, 1316, 782, 783, 1317, 1198, 620, 1260, 465, 68, 757, 244,
210, 683, 1288, 1118, 380, 254, 944, 1311, 1323, 618, 1053, 947, 262, 535, 1391,
384, 255, 12, 387, 297, 49, 132, 50, 96, 263, 269, 426, 415, 516, 650, 801, 816, 222,
282, 519, 264, 1325, 651, 700, 433, 918, 578, 579, 701, 341, 1404, 287, 1406, 390].
Route [83]. **Routes** [727]. **RRIA** [390]. **RST** [1067]. **RTCP** [762].
RTCP-nets [762]. **RTPA** [1215]. **Rule** [882, 1226, 991, 1319, 680, 225, 1053,
285, 935, 612, 1378, 264, 651, 700, 883, 142, 390]. **Rule-Based** [680, 700].
RuleML [994]. **Rules** [764, 991, 322, 993, 610, 888, 116, 169, 1322, 796, 1269,
1314, 1296, 399, 432, 426, 214, 433, 1105, 229]. **running** [1070]. **Runtimes**
[574].

Safe [927, 567, 1079]. **Safety** [247]. **Sandpiles** [812]. **SAT**
[1242, 688, 456, 627, 172, 1085, 301, 422, 583, 922, 1091]. **SAT-Based**
[922, 1085, 422, 583]. **Satellite** [1113]. **Satisfaction** [42]. **Satisfiability**
[1227, 932, 568, 1067]. **Saturation** [1332]. **SBL** [1202, 1187]. **Scalable** [320].
Scale [1359, 6, 1305]. **Scale-free** [1359]. **Scaling** [1249, 883]. **Scan** [1186].
Scattered [82, 288]. **Scenario** [453, 1330]. **Scenario-Based** [453].
Scenarios [1291]. **Scenery** [445]. **Schedulability** [1110]. **Schedules** [574].

Scheduling [810, 454, 647, 1355, 131]. **Schemaless** [184]. **Scheme** [538, 458, 658, 632, 843, 1147, 1197, 1190, 1250, 736, 640, 865, 323, 1049, 253, 945, 1388, 600, 669, 1021, 946, 1255, 622, 775, 665, 1154, 1276, 1145]. **Schemes** [633, 714, 305, 643, 1245, 1205]. **Science** [800, 428, 967]. **Scoped** [610]. **Scouts** [18]. **SE** [104]. **SE-Systems** [104]. **Search** [1352, 590, 973, 544, 984, 636, 312, 643, 630]. **Searching** [808, 809, 659, 846, 881]. **Second** [1267, 871, 438, 1152, 1042, 587]. **Second-Order** [1042, 1267]. **Secondary** [881]. **Secret** [830, 1362, 714]. **Secretly** [1116]. **SecSpaces** [741]. **Secure** [402, 1190, 277, 741, 1330, 604, 1154, 672]. **Security** [905, 1069, 1070, 1289, 547, 907, 1291, 913, 1295, 945, 1081]. **seed** [1392]. **Segment** [358]. **Segmentation** [1152, 1367, 1392, 1144, 445, 1220]. **Selected** [847, 1188, 746, 524]. **Selection** [1064, 1339, 117]. **Selective** [86, 103]. **Selector** [504]. **Selectors** [139]. **Self** [780, 149, 199, 1306, 1307, 671, 644]. **Self-Adaptive** [1306, 1307]. **Self-Assembly** [780]. **Self-describing** [199]. **Self-dual** [149]. **Self-Stabilization** [644]. **Selfish** [985]. **Semantic** [991, 993, 819, 849, 995, 1055, 1380, 1370, 883]. **Semantics** [882, 1329, 402, 1373, 740, 62, 848, 634, 243, 584, 585, 182, 1138, 1108, 1215, 995, 535, 641, 1391, 961, 398, 292, 1043, 1103, 1270, 1275, 733, 895, 896, 480, 15, 461]. **Semi** [711, 1323, 1054, 1369, 1234, 582]. **Semi-GAPS** [1369]. **Semi-local** [582]. **Semi-Simple** [711]. **Semi-supervised** [1323, 1054, 1369]. **Semi-Weakly** [1234]. **Semigroup** [887]. **Semilattices** [3]. **Semilinear** [912]. **Semirings** [1095, 912, 428]. **Semistructured** [115]. **Sense** [1252, 520]. **Sensing** [1054, 1056]. **Sensitive** [1183]. **Sensitivity** [86, 103, 726]. **Sensor** [132]. **Sentences** [148]. **Separation** [950, 682]. **seq** [608]. **Sequence** [1173, 116, 240]. **Sequences** [675, 1360, 1094, 379, 661, 1398, 802, 881, 157, 543]. **Sequent** [868]. **Sequential** [302, 824, 1268, 721, 138, 415, 834, 286]. **Sequentiality** [532]. **Series** [720, 1256, 1015, 261]. **Series-Parallel** [1256]. **Service** [926, 1193, 1192, 1338, 446, 1339, 742]. **Services** [1328, 1370]. **Session** [745]. **Set** [378, 676, 779, 1372, 1316, 1198, 1375, 465, 244, 460, 1288, 1332, 347, 618, 995, 1391, 384, 255, 395, 387, 297, 49, 263, 269, 415, 516, 650, 1358, 1325, 433, 578, 579, 701, 189, 839, 217, 283, 287, 1406, 390, 816]. **Set-based** [1372]. **Set-Theoretic** [395]. **Sets** [639, 766, 782, 303, 1317, 953, 1302, 1260, 68, 568, 1230, 1118, 148, 380, 31, 1311, 831, 912, 947, 464, 935, 513, 799, 200, 415, 650, 801, 282, 519, 264, 651, 700, 918, 53, 341, 1404, 7, 189]. **Setting** [333, 450]. **Seventh** [1334]. **Shadowed** [303]. **Shape** [93]. **Shapely** [351]. **Shapes** [1135]. **Shapley** [263]. **Shared** [743, 832]. **Sharing** [830, 1116, 1362, 56, 714]. **Shi** [253]. **Shift** [1142]. **Shifts** [1013]. **shop** [1355]. **Short** [1256, 520, 1208]. **Shortest** [722, 47, 83]. **Shuffle** [725, 774, 977]. **Shuffles** [1246]. **Side** [470]. **Side-Match** [470]. **Signal** [599, 455, 1107, 40, 1098, 17, 1109, 51, 862, 195]. **Signal-Event** [40, 51]. **Signals** [1383]. **Signature** [1250, 323, 253, 305, 622, 1154, 1208]. **Signatures** [1043]. **Signed** [1003]. **Signed-Digit** [1003]. **Signers** [323, 622]. **Silent** [1258]. **SIMD** [1368].

Similar [1147, 316]. **Similarities** [883]. **Similarity** [353, 124, 1363, 208, 496, 786, 1199, 16, 615, 904, 1391, 643, 516, 249].
Similarity-Based [786, 1391, 16]. **Simple** [106, 1004, 711, 1122, 242, 1261, 684, 770, 724, 320, 47, 743, 596, 330].
Simplification [667]. **Simulate** [771]. **Simulating** [175, 178]. **Simulation** [1012, 1291, 1034, 841, 1088]. **Simulations** [365, 237, 176, 364]. **Simulator** [163]. **Simultaneous** [51]. **Since** [966]. **Single** [940, 1320]. **Single-Thread** [940]. **Singular** [542]. **Situated** [613, 473]. **Six** [1316]. **Sixth** [1164]. **Size** [666, 1230]. **Skeletal** [1383]. **Skeptical** [84]. **Skewed** [1175]. **Skolem** [1229].
SLD [292]. **SLD-Resolution** [292]. **Slicing** [1189, 409, 686]. **Small** [1231, 1233, 1234]. **Smaller** [1126]. **Smith** [1368]. **Smoothness** [717].
SMVQ [754]. **Social** [1242, 576]. **Sofic** [1051]. **Soft** [1381]. **Software** [1188, 739, 164, 163, 1257, 651, 745, 1283]. **Solid** [704, 1100]. **Solution** [1025, 1233]. **Solutions** [472, 876]. **Solve** [1048, 153]. **Solving** [352, 821, 479, 1123, 1357, 389]. **Some** [1248, 1046, 1006, 715, 983, 276, 210, 148, 957, 415, 1086, 1204, 1104, 876, 733, 22, 142, 482, 247]. **Sort** [684].
Sorting [1121, 1018, 1200]. **Sound** [678, 121, 886]. **Sources** [1024]. **Space** [951, 191, 1167, 755, 756, 1174, 318, 1071, 183, 366, 321, 916, 100, 576, 828, 1038, 389, 1308, 370]. **Space-** [366]. **Space-Efficient** [321]. **Spaces** [1028, 681, 407, 568, 683, 904, 61, 60, 367, 1142, 385, 664, 133, 699, 326, 921, 1090, 1155, 356]. **Spatial** [632, 92, 928, 50, 833]. **Spatial-Histogram** [833].
Spatio [1201, 580]. **Spatio-Temporal** [1201, 580]. **Spatiotemporal** [381].
sPBC [1139]. **SPCF** [855]. **Special** [856, 877, 1164, 1106, 1119, 1120, 1334, 1396, 746, 624, 201, 799]. **Specific** [544, 1151, 761]. **Specification** [673, 899, 1057, 1278, 562, 502, 45, 1082, 592, 597]. **Specifications** [272, 453, 30, 1257, 64, 861, 14]. **Specified** [846, 570, 911]. **Spectral** [1344, 875]. **Spectrum** [1245]. **SpecVer** [1058]. **Speech** [599, 693, 708].
Speed [1151]. **Speeding** [315]. **Speeding-up** [315]. **SPICE** [878]. **Spiking** [1121, 784, 1008, 662, 1123, 1395, 1126]. **Splicing** [711, 537]. **Split** [1011].
SQEMA [1272]. **Squad** [233, 775, 1233]. **Stability** [1384, 234, 1143].
Stabilization [644]. **Stable** [674, 961, 53]. **Stage** [193, 990, 287, 1113].
Standard [1162, 1154, 1208]. **Standpoint** [1067]. **Star** [1009, 569, 689, 696].
Star-Connected [569, 689]. **Star-free** [696]. **Start** [823]. **State** [1112, 835, 1167, 224, 929, 1107, 1009, 840, 1340, 1203, 501, 1077, 1033, 456, 987, 1298, 299, 133, 839, 1143, 775, 876, 1233, 644, 523, 841]. **State-Efficient** [775, 876]. **State-Estimation** [1077]. **Stateless** [1195]. **Statements** [650].
States [1094, 542, 217, 593]. **Static** [1168, 304, 928, 154, 1170, 454].
Statistical [710, 1212]. **Steel** [1133]. **Steganographic** [458].
Steganography [979, 1385, 1022]. **Steiner** [1038]. **Step** [1327, 1385, 194, 603]. **STG** [456, 627, 1109]. **Stochastic** [1345, 1096, 646, 749, 1341, 1348, 817, 236]. **Stochastic-Time** [1341]. **Stop** [823]. **Stopwatches** [1389, 1390]. **Storm** [216]. **Straight** [1186].
Straight-Line [1186]. **Strategies** [656, 1147, 647, 8]. **Strategy**

[538, 811, 1176]. **Stream** [160, 502]. **Streams** [1151]. **Strictly** [704]. **String** [767, 784, 1046, 646, 466, 705, 1031]. **String-Rewriting** [767]. **Stringology** [1396]. **Strings** [735, 226, 1032]. **Strong** [1041, 854, 1181, 687, 44, 76, 604, 1124]. **Strong-Password** [604]. **Structural** [677, 925, 1062, 40, 1110, 398, 192]. **Structure** [97, 661, 254, 411, 874, 881, 1104, 388, 286]. **Structured** [678, 549, 636, 355, 1387, 548]. **Structures** [525, 674, 1282, 303, 481, 482, 620, 928, 275, 1285, 714, 752, 39, 209, 591, 1128, 167, 955, 670, 738, 34, 1170, 593, 921]. **Stubborn** [53, 217, 283]. **Study** [210, 371, 222, 651, 598, 289]. **Stuttering** [986]. **Style** [272, 888]. **Subcontexts** [1206]. **Subgraphs** [546]. **Submonoids** [772, 109]. **Subregular** [494]. **Subset** [176, 1123]. **Subsets** [1364]. **Subshifts** [231, 1051, 234]. **Substitution** [538]. **Substitutions** [1272, 723]. **Substring** [311]. **Subsumption** [565, 1176]. **Subtree** [550]. **Subtrees** [548]. **Subtypes** [206]. **Subword** [715, 802]. **Successor** [217]. **Succinctness** [27]. **Suffix** [661, 321]. **Sum** [893, 1123]. **Summarizing** [331]. **Sunspot** [694]. **Sup** [85]. **Sup-Compact** [85]. **Super** [690, 535]. **Super-Dual** [690]. **Superclasses** [1080]. **superpixels** [1220]. **Superstring** [722]. **supervised** [1323, 1054, 1369]. **Support** [1207, 445]. **Supporting** [136, 613, 741]. **Surface** [704]. **Surfer** [603]. **Surjective** [851]. **Survey** [332, 520]. **SVM** [1356]. **Swarm** [1351, 1353, 1354, 1357, 1358, 1355]. **Swarms** [815, 1349]. **Switching** [751, 350]. **Symbol** [806]. **Symbolic** [926, 930, 768, 798, 314]. **Symbols** [820]. **Symmetric** [854, 812]. **Symmetry** [1056, 1369, 1204, 1393]. **Symport** [514]. **Symport/Antiport** [514]. **Synchronicity** [1108]. **Synchronisation** [405]. **Synchronization** [563, 491, 233, 775, 1129, 1233]. **Synchronized** [725, 64, 1111, 1246]. **Synchronous** [552, 451, 861, 330]. **Synergy** [14]. **Syntactic** [1037, 942, 883]. **Syntax** [1218]. **Synthesis** [526, 1166, 1342, 453, 207, 1063, 1285, 1327, 859, 627, 1169, 1160, 987, 297, 96, 419, 192]. **Synthesising** [194]. **System** [1000, 856, 1164, 1106, 1334, 322, 15, 146, 163, 166, 225, 905, 1202, 1386, 891, 624, 1387, 911, 20, 46, 176, 868, 413, 202, 828, 579, 653, 654, 1187, 457, 358, 617, 1337]. **System-level** [457]. **Systems** [160, 474, 352, 764, 400, 818, 996, 161, 197, 778, 1132, 564, 675, 1280, 1059, 819, 820, 925, 488, 781, 1238, 453, 821, 1345, 657, 481, 482, 491, 767, 327, 1121, 784, 712, 1122, 857, 57, 713, 822, 980, 277, 1064, 768, 590, 790, 747, 404, 87, 1240, 40, 165, 870, 824, 1008, 137, 94, 374, 825, 1287, 647, 1098, 1048, 749, 380, 721, 662, 409, 793, 375, 823, 827, 187, 279, 33, 1160, 169, 505, 170, 570, 691, 1366, 771, 1123, 1324, 45, 130, 211, 411, 508, 509, 1341, 159, 174, 900]. **Systems** [1333, 285, 291, 935, 1296, 175, 514, 728, 706, 298, 177, 194, 50, 200, 214, 178, 1161, 894, 155, 1348, 484, 732, 997, 577, 1087, 1232, 829, 701, 920, 104, 330, 1350, 537, 241, 473, 593, 939, 1394, 1405, 644, 1124, 1395, 1126, 142, 196, 356, 1125]. **Szymanski** [315].

t [323, 1377]. **Table** [538, 978, 308, 1212]. **Tableau** [1297]. **Tableaux**

[342, 1310]. **Tables** [594, 541, 431, 413, 65, 654]. **Tabular** [585]. **TADDs** [1299]. **Tagging** [1177]. **TantrixTM** [1227]. **Targets** [1381]. **Tasking** [187]. **Taverna** [1270, 1275]. **TBase2** [52]. **TCP** [926]. **TCTL** [897]. **Team** [1246]. **Teams** [474, 57]. **Teamwork** [328]. **Technique** [594, 1148, 1255, 707, 1056, 1392, 359, 360, 192]. **Techniques** [1252, 688, 1387, 1178, 556, 605]. **Technology** [1315]. **Telemetric** [1201]. **Teleportation** [1088]. **Temperature** [444]. **Temporal** [10, 677, 982, 983, 932, 1201, 186, 476, 986, 966, 580]. **Tense** [972]. **Tensor** [1393]. **Term** [734, 1342, 1041, 1350, 1265, 483]. **Terms** [634, 793]. **TESLA** [914]. **Testers** [1241]. **Testing** [36, 502, 501, 933, 1176, 1215, 1347, 14, 885]. **Text** [321]. **Texts** [466]. **Textual** [136]. **Texture** [1344, 408, 1153]. **Their** [621, 585, 723, 1305, 227, 240, 1209, 1217, 1131, 1063, 404, 247, 14, 195]. **Theorem** [1146, 1004, 766, 893, 75, 592, 597, 958]. **Theorems** [608]. **Theorems-Based** [608]. **Theoretic** [465, 248, 787, 1013, 395, 1043, 1267]. **Theoretical** [486, 289, 556, 605, 1223]. **Theories** [951, 1248, 825, 333, 1178, 100, 156, 90]. **Theory** [709, 1127, 1040, 24, 1192, 952, 1260, 755, 756, 748, 752, 113, 244, 437, 1288, 368, 1391, 595, 868, 799, 269, 650, 803, 152, 1325, 592, 597, 189, 450, 1222, 287, 1266, 1027, 389, 483]. **There** [560]. **Thermodynamics** [1087]. **Thesis** [962]. **Thomas** [542]. **Thoughtful** [759]. **Thread** [656, 940]. **Three** [978, 786, 1254, 514, 602, 241]. **Three-Circular-Pixel** [1254]. **Three-dimensional** [241]. **Three-Phase** [978]. **Three-Valued** [786, 602]. **Threshold** [830, 323, 1253, 622]. **Thresholding** [803]. **Thue** [64]. **Tightly** [997]. **Tiles** [1114]. **Tiling** [1237, 1240]. **Time** [1167, 1157, 1037, 219, 491, 1062, 455, 318, 840, 349, 1340, 448, 1078, 183, 366, 509, 1341, 451, 150, 48, 416, 574, 573, 201, 1015, 698, 817, 256, 450, 240, 372, 1129, 1233, 1301, 257, 1389, 1390]. **Time-Bounded** [1340, 366]. **Time-Optimum** [1129]. **Time-Varying** [509, 256]. **Time/Space** [318]. **Timed** [1191, 36, 674, 123, 205, 273, 1309, 1165, 1167, 1258, 459, 208, 1136, 1287, 1289, 907, 409, 686, 908, 1073, 81, 1295, 43, 129, 1366, 628, 989, 1084, 1085, 300, 299, 203, 449, 652, 420, 301, 897, 422, 583, 922, 480]. **Times** [941]. **Timestamps** [131]. **Timing** [435, 250]. **Tissue** [764, 327, 824]. **Tissue-like** [327]. **Token** [842, 1329, 274, 1337, 1072]. **Token-Managed** [1337]. **Tokens** [1079, 1158]. **Tolerance** [1356, 1358]. **Tolerant** [807]. **Tool** [94, 414]. **Tools** [1384, 370]. **Topological** [10, 486, 167, 415, 1016]. **Topologies** [1038]. **Total** [492]. **Trace** [1076, 696, 695]. **Trace-Expressible** [1076]. **Traces** [924, 932, 1083, 936, 575]. **Tracing** [533, 553]. **Tracking** [1354]. **Trade** [1274]. **Trade-off** [1274]. **Training** [270]. **Trajectories** [709, 716, 1135, 513]. **Trajectory** [393, 439]. **Trajectory-Based** [393]. **Transaction** [884]. **Transactions** [1070, 1290]. **Transducer** [77]. **Transducers** [1181]. **Transductions** [929]. **Transfer** [926]. **Transform** [1402, 8, 1325, 1153]. **Transformation** [610, 557, 93, 747, 748, 349, 749, 351, 611, 1177, 556, 605, 707, 586]. **Transformation-based** [1177]. **Transformations** [609, 608, 129, 561].

Transforming [490, 682, 176]. **Transforms** [5]. **Transition** [1281, 1157, 62, 125, 207, 1285, 455, 1107, 1287, 628, 177, 194, 862].
Transition-Nets [1088]. **Transitions** [927, 1258]. **Transitive** [1185].
Translation [493, 1073, 911, 1084, 1091]. **Translator** [1299]. **Transport** [1280, 648, 159]. **Transversal** [943]. **Traversal** [633]. **Treatment** [1068].
Tree [77, 1172, 1117, 981, 982, 983, 1346, 1181, 549, 548, 636, 661, 375, 307, 183, 246, 1103, 1186, 1105, 390, 288]. **Tree-based** [1105]. **Tree-Structured** [636, 548]. **Trees** [198, 73, 1047, 973, 1267, 1399, 1151, 1263, 438, 316, 112, 11, 12, 19, 188, 285, 430, 774, 977, 804, 1325, 4, 543, 364, 545]. **Triangle** [808, 350]. **Triangle-Free** [350]. **Triangular** [915]. **Truly** [62]. **Truncation** [736, 640]. **Truth** [655]. **TSPN** [1112]. **Tuning** [479]. **Tupling** [606]. **Turing** [1228, 903, 199, 1231, 178, 1234]. **Turn** [227]. **Tutorial** [849]. **Twenty** [726].
Two [1225, 1236, 808, 929, 1009, 825, 59, 503, 1322, 1113, 990, 775].
Two-Bounds [808]. **Two-Dimensional** [775]. **Two-Phase** [1322].
Two-Stage [990, 1113]. **Two-Way** [503, 929]. **Type** [1040, 24, 72, 1025, 592, 597, 921, 257, 376, 141]. **Type-1** [141]. **Type-2** [141].
Typed [847, 529, 748, 524, 1043]. **Typeful** [609]. **Types** [1225, 1040, 1131, 1149, 464, 154, 592, 597, 997, 745, 671, 587, 527]. **Typing** [528, 848, 745].

Ultraproducts [306]. **UMFFs** [1397]. **UML** [1298]. **Unambiguous** [1237].
Unary [1237, 1363, 872]. **Unavoidable** [958]. **Unbounded** [476, 1085].
Uncertain [648]. **Uncertainty** [994]. **Undecidabilities** [1184].
Undecidability [1258, 719, 278, 989]. **Undecidable** [1240, 1313].
Understanding [450, 309]. **Unequal** [718]. **Unfolding** [1329, 126, 561].
Unfoldings [128, 260, 456, 627, 1109, 1343, 1333]. **Unification** [295, 782, 181, 16, 464, 976]. **Uniform** [932, 1034, 82, 513, 252]. **Unifying** [882, 928, 269]. **Unique** [1397, 251]. **Unit** [764]. **Units** [1268]. **Universal** [1236, 166, 367, 1243, 1231, 514, 48, 212, 202, 1015, 1234, 582, 1126].
Universality [1191, 1228, 232, 768, 763, 159, 989, 773]. **Unordered** [545].
Unorthodox [322]. **Unranked** [1263]. **Unsoundness** [958]. **Unsupervised** [1252, 1113, 1367, 1144]. **Until** [986]. **Untraceable** [305]. **Untyped** [851].
Update [180, 58, 463, 1312, 698]. **Updating** [1185]. **Upper** [618].
UPSILON [202]. **Use** [1193, 1174, 17, 408, 884]. **Used** [216]. **Useful** [1167].
User [1180, 119, 879, 1145]. **User-Level** [1180]. **User/Process** [879]. **Uses** [957]. **Using** [1344, 136, 538, 1317, 1361, 594, 632, 808, 857, 1046, 1135, 1286, 681, 406, 193, 640, 865, 1137, 25, 456, 118, 112, 947, 873, 1339, 1333, 18, 131, 153, 300, 299, 612, 1392, 1369, 133, 651, 579, 1403, 1143, 1088, 582, 360, 445, 1249, 811, 345, 984, 1332, 1098, 467, 468, 1297, 1103, 803, 484, 883, 745, 1331].
Utilities [581].

Vague [650, 519]. **Valences** [87]. **Validating** [998]. **Validation** [637, 1330].
Value [1022, 263, 707]. **Value-propagating** [707]. **Valued** [481, 482, 786, 1047, 1296, 222, 1406, 410, 426, 602]. **Values** [632, 410, 572].

vanishing [362]. **Variable** [770, 773]. **Variables** [56, 760, 729, 1378].
Variances [898]. **Variant** [969]. **Variants** [137, 247, 376]. **Varieties** [983].
Various [1053, 430, 257]. **Varying** [509, 256]. **Vector**
 [658, 808, 866, 1137, 691, 669, 442, 326, 470, 1207, 445]. **VerICS** [1078].
Verification
 [857, 208, 626, 628, 45, 914, 1333, 1082, 215, 281, 484, 449, 264, 938, 1092].
Verified [1190]. **Verifying** [677, 913, 1347, 298]. **Versus** [302, 173, 109, 822].
Vertex [639]. **Vertexlet** [1359]. **Very** [596]. **via**
 [1114, 606, 275, 1010, 1220, 235, 298, 96, 301]. **Video** [1103, 1220]. **View**
 [378, 787, 1130, 758]. **Viewpoint** [598]. **Views** [704]. **Viral** [722]. **Visit**
 [246]. **Visual** [1259, 1362, 358]. **Visualization** [883]. **Voices** [732]. **Volcano**
 [1134]. **Volumetric** [216]. **VQ** [436, 754, 843, 809, 978, 865, 1253, 541, 1143].
VQ-Based [436]. **vs** [1161].

w.r.t [966]. **Wajsberg** [481]. **Walks** [941]. **Wang** [1114]. **Watchman** [83].
Waterman [1368]. **Watermarking** [1264, 1205, 1276]. **Watermarks**
 [360, 470]. **Watershed** [8]. **Wave** [973]. **Wavelet** [121]. **Way** [503, 369, 929].
Ways [207]. **Weak** [1262, 438]. **Weaker** [221, 969]. **Weakly** [846, 1234, 356].
Web [991, 993, 1193, 1328, 1180, 995, 816, 52, 1370]. **Weight** [581].
Weight-Based [581]. **Weighted** [1359, 717, 1263, 661, 1020, 1152]. **Weights**
 [1314]. **Well** [141, 461]. **Well-Behaved** [141]. **well-founded** [461]. **Wet**
 [1197]. **Whether** [720, 288]. **Which** [460, 1158]. **Widespread** [482].
Windows [1301]. **Winning** [554]. **without** [979, 986]. **Word**
 [79, 1020, 19, 1382, 520]. **Words** [710, 1007, 802, 774, 977, 522, 1211, 317, 314].
Work [777, 1044]. **Workbench** [1270, 1275]. **Workflow** [1062, 660, 906].
Working [824, 1163]. **Workshop** [1029]. **World** [791, 1066]. **Worm** [174].
Write [1336]. **Write-after-read** [1336].

X [914]. **XCCS** [1279]. **XOR** [1242]. **XOR-SAT** [1242].

Years [726]. **Yu** [1004].

Z. [794]. **Zdzisław** [776, 777, 800]. **Zernike** [1153]. **Zero** [567, 1079, 1245, 359].
Zero-one [1245]. **Zero-Safe** [567, 1079].

References

Goutsias:2000:P

- [1] John Goutsias and Henk Heijmans. Preface. *Fundamenta Informaticae*, 41(1–2):??, January 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Goutsias:2000:FMM

- [2] John Goutsias and Henk J. A. M. Heijmans. Fundamenta morphologicae mathematicae. *Fundamenta Informaticae*, 41(1–2):1–31, January 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Keshet:2000:MMC

- [3] Renato Keshet (Kresch). Mathematical morphology on complete semi-lattices and its applications to image processing. *Fundamenta Informaticae*, 41(1–2):33–56, January 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Vincent:2000:GOT

- [4] Luc Vincent. Granulometries and opening trees. *Fundamenta Informaticae*, 41(1–2):57–90, January 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Maragos:2000:CED

- [5] Petros Maragos and Muhammad Akmal Butt. Curve evolution, differential morphology, and distance transforms applied to multiscale and eikonal problems. *Fundamenta Informaticae*, 41(1–2):91–129, January 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Soille:2000:BGS

- [6] Pierre Soille. From binary to grey scale convex hulls. *Fundamenta Informaticae*, 41(1–2):131–146, January 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Serra:2000:CSF

- [7] Jean Serra. Connections for sets and functions. *Fundamenta Informaticae*, 41(1–2):147–186, January 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Roerdink:2000:WTD

- [8] Jos B. T. M. Roerdink and Arnold Meijster. The watershed transform: Definitions, algorithms and parallelization strategies. *Fundamenta Informaticae*, 41(1–2):187–228, January 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Barrera:2000:APM

- [9] J. Barrera, R. Terada, R. Hirata, Jr., and N. S. T. Hirata. Automatic programming of morphological machines by PAC learning. *Fundamenta*

Informaticae, 41(1–2):229–258, January 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Baier:2000:THT

- [10] Christel Baier and Marta Kwiatkowska. On topological hierarchies of temporal properties. *Fundamenta Informaticae*, 41(3):259–294, February 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moshkov:2000:ACD

- [11] Mikhail Moshkov and Igor Chikalov. On algorithm for constructing of decision trees with minimal depth. *Fundamenta Informaticae*, 41(3):295–299, February 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moshkov:2000:DND

- [12] Mikhail Moshkov. Deterministic and nondeterministic decision trees for rough computing. *Fundamenta Informaticae*, 41(3):301–311, February 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Paun:2000:MCE

- [13] Gheorghe Păun, Grzegorz Rozenberg, and Arto Salomaa. Membrane computing with external output. *Fundamenta Informaticae*, 41(3):313–340, February 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tsiatsoulis:2000:TDM

- [14] Z. Tsiatsoulis and J. Y. Cotronis. Testing and debugging message passing programs in synergy with their specifications. *Fundamenta Informaticae*, 41(3):341–366, February 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bos:2000:FPS

- [15] V. Bos and J. J. T. Kleijn. Formalisation of a production system modelling language: The operational semantics of χ core. *Fundamenta Informaticae*, 41(4):367–392, March 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Formato:2000:SBU

- [16] Ferrante Formato, Giangiacomo Gerla, and Maria I. Sessa. Similarity-based unification. *Fundamenta Informaticae*, 41(4):393–414, March 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hanisch:2000:SEP

- [17] H.-M. Hanisch and A. Lüder. A signal extension for Petri nets and its use in controller design. *Fundamenta Informaticae*, 41(4):415–431, March 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Michalski:2000:BKS

- [18] Ryszard S. Michalski and Kenneth A. Kaufman. Building knowledge scouts using KGL metalanguage. *Fundamenta Informaticae*, 41(4):433–447, March 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moshkov:2000:DTR

- [19] Mikhail Moshkov. Decision trees for regular language word recognition. *Fundamenta Informaticae*, 41(4):449–461, March 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

MacCaull:2000:PSD

- [20] Wendy MacCaull. A proof system for dependencies for information relations. *Fundamenta Informaticae*, 42(1):1–27, January 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nguyen:2000:CLM

- [21] Linh Anh Nguyen. Constructing the least models for positive modal logic programs. *Fundamenta Informaticae*, 42(1):29–60, January 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wang:2000:MDC

- [22] Yongge Wang, Yvo Desmedt, and Mike Burmester. Models for dependable computation with multiple inputs and some hardness results. *Fundamenta Informaticae*, 42(1):61–73, January 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Winkowski:2000:ADF

- [23] Józef Winkowski. An algebra of data flows. *Fundamenta Informaticae*, 42(1):75–104, January 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Boldini:2000:FCI

- [24] Pascal Boldini. Formalizing context in intuitionistic type theory. *Fundamenta Informaticae*, 42(2):105–127, May 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Inkielman:2000:MHD

- [25] Marcin Inkielman. A method for hierarchical description of images using multiscale analysis. *Fundamenta Informaticae*, 42(2):129–148, May 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Paz:2000:RIR

- [26] Azaria Paz, Robert Y. Geva, and Milan Studený. Representation of irrelevance relations by annotated graphs. *Fundamenta Informaticae*, 42(2):149–199, May 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Rabinovich:2000:SGB

- [27] A. Rabinovich. Succinctness gap between monadic logic and duration calculus. *Fundamenta Informaticae*, 42(2):201–210, May 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Demri:2000:NIL

- [28] Stéphane Demri. The nondeterministic information logic NIL is PSPACE-complete. *Fundamenta Informaticae*, 42(3–4):211–234, July 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Denejko:2000:RMF

- [29] Piotr Denejko, Krzysztof Diks, Andrzej Pelc, and Marek Piotrów. Reliable minimum finding comparator networks. *Fundamenta Informaticae*, 42(3–4):235–249, July 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Engel:2000:TAC

- [30] Marcin Engel, Artur Kret, and Janina Mincer-Daszkiewicz. Towards automated consistency checking of module interface specifications. *Fundamenta Informaticae*, 42(3–4):251–278, July 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Inuiguchi:2000:NMP

- [31] Masahiro Inuiguchi and Tetsuzo Tanino. Necessity measures and parametric inclusion relations of fuzzy sets. *Fundamenta Informaticae*, 42(3–4):279–302, July 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kaminski:2000:FON

- [32] Michael Kaminski and Guy Rey. First-order non-monotonic modal logics. *Fundamenta Informaticae*, 42(3–4):303–333, July 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kohn:2000:FAS

- [33] Markus Kohn and Hartmut Schreck. Formal asynchronous systems modelling. *Fundamenta Informaticae*, 42(3–4):335–389, July 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Schlechta:2000:NAP

- [34] Karl Schlechta, Laurent Gourmelen, Stéphanie Motré, Olivier Rolland, and Bensalah Tahar. A new approach to preferential structures. *Fundamenta Informaticae*, 42(3–4):391–410, July 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Burkhard:2000:P

- [35] Hans-Dieter Burkhard, Peter Starke, and Ludwik Czaja. Preface. *Fundamenta Informaticae*, 43(1–4):??, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Andreeva:2000:ATC

- [36] Maria V. Andreeva, Elena N. Bozhenkova, and Irina B. Virbitskaite. Analysis of timed concurrent models based on testing equivalence. *Fundamenta Informaticae*, 43(1–4):1–20, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bednarczyk:2000:FCC

- [37] Marek A. Bednarczyk, Andrzej M. Borzyszkowski, and Rafał Somla. Finite completeness of categories of Petri nets. *Fundamenta Informaticae*, 43(1–4):21–48, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Czaja:2000:RLA

- [38] Ludwik Czaja and Manfred Kudlek. Rational, linear and algebraic process languages and iteration lemmata. *Fundamenta Informaticae*, 43(1–4):49–60, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Farwer:2000:MRL

- [39] Berndt Farwer. A multi-region linear logic based calculus for dynamic Petri net structures. *Fundamenta Informaticae*, 43(1–4):61–79, August

2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Foremniak:2000:SAS

- [40] Adrianna Foremniak and Peter H. Starke. Structural analysis of signal-event systems. *Fundamenta Informaticae*, 43(1–4):81–104, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Haar:2000:ONL

- [41] Stefan Haar. Occurrence net logics. *Fundamenta Informaticae*, 43(1–4):105–127, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hannebauer:2000:FAD

- [42] Markus Hannebauer. A formalization of autonomous dynamic reconfiguration in distributed constraint satisfaction. *Fundamenta Informaticae*, 43(1–4):129–151, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lanotte:2000:TCA

- [43] Ruggero Lanotte, Andrea Maggiolo-Schettini, and Adriano Peron. Timed cooperating automata. *Fundamenta Informaticae*, 43(1–4):153–173, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Latvala:2000:CSF

- [44] Timo Latvala and Keijo Heljanko. Coping with strong fairness. *Fundamenta Informaticae*, 43(1–4):175–193, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lomazova:2000:NPN

- [45] Irina A. Lomazova. Nested Petri nets — a formalism for specification and verification of multi-agent distributed systems. *Fundamenta Informaticae*, 43(1–4):195–214, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Munch:2000:CCA

- [46] Ines Münch and Gabriela Lindemann-v.Trzebiatowski. ChariTime — concepts of analysis and design of an agent-oriented system for appointment management. *Fundamenta Informaticae*, 43(1–4):215–226, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nepomniaschaya:2000:SID

- [47] Anna S. Nepomniaschaya and Maria A. Dvoskina. A simple implementation of Dijkstra's shortest path algorithm on associative parallel processors. *Fundamenta Informaticae*, 43(1–4):227–243, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Penczek:2000:IPO

- [48] Wojciech Penczek, Maciej Szreter, Rob Gerth, and Ruurd Kuiper. Improving partial order reductions for universal branching time properties. *Fundamenta Informaticae*, 43(1–4):245–267, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Peters:2000:ARS

- [49] James F. Peters, Andrzej Skowron, and Zbigniew Suraj. An application of rough set methods in control design. *Fundamenta Informaticae*, 43(1–4):269–290, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Polkowski:2000:RMI

- [50] Lech Polkowski and Andrzej Skowron. Rough mereology in information systems with applications to qualitative spatial reasoning. *Fundamenta Informaticae*, 43(1–4):291–320, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Roch:2000:ARS

- [51] Stephan Roch. Analyzing and reducing simultaneous firing in signal-event nets. *Fundamenta Informaticae*, 43(1–4):321–330, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Schroter:2000:TWB

- [52] Kay Schröter, Gabriela Lindemann-v.Trzebiatowski, and Lutz Fritsche. TBase2 — a Web-based electronic patient record. *Fundamenta Informaticae*, 43(1–4):343–353, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Varpaaniemi:2000:SMS

- [53] Kimmo Varpaaniemi. Stable models for stubborn sets. *Fundamenta Informaticae*, 43(1–4):355–375, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Aho:2000:IK

- [54] Isto Aho. Interactive knapsacks. *Fundamenta Informaticae*, 44(1–2):1–23, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Buchi:2000:FRC

- [55] Martin Büchi and Emil Sekerinski. A foundation for refining concurrent objects. *Fundamenta Informaticae*, 44(1–2):25–61, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chrobot:2000:SVD

- [56] Stanisław Chrobot. Sharing variables in distributed memory. *Fundamenta Informaticae*, 44(1–2):63–81, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Csuhaj-Varju:2000:DTE

- [57] Erzsébet Csuhaj-Varjú and Victor Mitrana. Dynamical teams in eco-grammar systems. *Fundamenta Informaticae*, 44(1–2):83–94, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Doherty:2000:PRM

- [58] Patrick Doherty, Witold Lukaszewicz, and Ewa Madalińska-Bugaj. The PMA and relativizing minimal change for action update. *Fundamenta Informaticae*, 44(1–2):95–131, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Intrigila:2000:TPR

- [59] Benedetto Intrigila and Anna R. Laurenzi. Two problems on reduction graphs in Lambda calculus. *Fundamenta Informaticae*, 44(1–2):133–144, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ivanov:2000:PS

- [60] Lyubomir Ivanov. Platek spaces. *Fundamenta Informaticae*, 44(1–2):145–181, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ivanov:2000:BRP

- [61] Lyubomir Ivanov. Boldface recursion on Platek spaces. *Fundamenta Informaticae*, 44(1–2):183–208, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Busi:2000:CTC

- [62] Nadia Busi and G. Michele Pinna. Comparing truly concurrent semantics for contextual place/transition nets. *Fundamenta Informaticae*, 44(3):209–244, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Martinek:2000:CCF

- [63] Pavel Martinek. On a construction of context-free grammars. *Fundamenta Informaticae*, 44(3):245–264, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Payet:2000:TSI

- [64] Étienne Payet. Thue specifications, infinite graphs and synchronized product. *Fundamenta Informaticae*, 44(3):265–290, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Slezak:2000:NDF

- [65] Dominik Ślezak. Normalized decision functions and measures for inconsistent decision tables analysis. *Fundamenta Informaticae*, 44(3):291–319, August 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Analyti:2000:DRC

- [66] Anastasia Analyti, Nicolas Spyrtatos, and Panos Constantopoulos. Deriving and retrieving contextual categorical information through instance inheritance. *Fundamenta Informaticae*, 44(4):321–351, December 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dassow:2000:CC

- [67] Jürgen Dassow, Carlos Martín-Vide, Gheorghe Păun, and Alfonso Rodríguez-Patón. Conditional concatenation. *Fundamenta Informaticae*, 44(4):353–372, December 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Demri:2000:CCM

- [68] Stéphane Demri and Jaroslaw Stepaniuk. Computational complexity of multimodal logics based on rough sets. *Fundamenta Informaticae*, 44(4):373–396, December 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kurucz:2000:RPR

- [69] Agnes Kurucz and István Németi. Representability of pairing relation algebras representability of pairing relation algebras depends on our ontology. *Fundamenta Informaticae*, 44(4):397–420, December 2000. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Girard:2001:P

- [70] Jean-Yves Girard and Paweł Urzyczyn. Preface. *Fundamenta Informaticae*, 45(1–2):??, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Baillet:2001:ECG

- [71] Patrick Baillet and Marco Pedicini. Elementary complexity and geometry of interaction. *Fundamenta Informaticae*, 45(1–2):1–31, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Broda:2001:CTP

- [72] Sabine Broda and Luís Damas. Counting a type’s (principal) inhabitants. *Fundamenta Informaticae*, 45(1–2):33–51, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

David:2001:CBT

- [73] René David. Computing with Böhm trees. *Fundamenta Informaticae*, 45(1–2):53–77, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sato:2001:EE

- [74] Masahiko Sato, Takafumi Sakurai, and Rod Burstall. Explicit environments. *Fundamenta Informaticae*, 45(1–2):79–115, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Statman:2001:MTJ

- [75] Rick Statman. Marginalia to a theorem of Jacopini. *Fundamenta Informaticae*, 45(1–2):117–121, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Urban:2001:SNC

- [76] C. Urban and G. M. Bierman. Strong normalisation of cut-elimination in classical logic. *Fundamenta Informaticae*, 45(1–2):123–155, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Apro:2001:GTT

- [77] János Apró and Sándor Vágvölgyi. The ground tree transducer game with identical tree automata. *Fundamenta Informaticae*, 45(3):157–172, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Balbani:2001:IFP

- [78] Philippe Balbiani and Dimiter Vakarelov. Iteration-free PDL with intersection: a complete axiomatization. *Fundamenta Informaticae*, 45(3):173–194, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Champarnaud:2001:MPA

- [79] Jean-Marc Champarnaud and Djelloul Ziadi. From Mirkin’s prebases to Antimirov’s word partial derivatives. *Fundamenta Informaticae*, 45(3):195–205, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hajek:2001:CFP

- [80] Petr Hájek and Sauro Tulipani. Complexity of fuzzy probability logics. *Fundamenta Informaticae*, 45(3):207–213, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Krishnan:2001:DTP

- [81] Padmanabhan Krishnan. Decomposing timed push down automata. *Fundamenta Informaticae*, 45(3):215–229, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Meduna:2001:UGL

- [82] Alexander Meduna. Uniform generation of languages by scattered context grammars. *Fundamenta Informaticae*, 45(3):231–235, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nilsson:2001:ASW

- [83] Bengt J. Nilsson. Approximating a shortest Watchman route. *Fundamenta Informaticae*, 45(3):235–281, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Milnikel:2001:SRF

- [84] Robert Saxon Milnikel. Skeptical reasoning in FC-normal logic programs is π_1^1 -complete. *Fundamenta Informaticae*, 45(3):237–252, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Barrera:2001:SCI

- [85] Junior Barrera and Ronaldo Fumio Hasimoto. Sup-compact and inf-compact representations of W -operators. *Fundamenta Informaticae*, 45(4):283–294, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Engelbrecht:2001:SA Sa

- [86] Andries P. Engelbrecht. Sensitivity analysis for selective learning by feedforward neural networks. *Fundamenta Informaticae*, 45(4):295–328, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fernau:2001:VLS

- [87] Henning Fernau and Ralf Stiebe. Valences in Lindenmayer systems. *Fundamenta Informaticae*, 45(4):329–358, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gruska:2001:PAN

- [88] Damas P. Gruska and Andrea Maggiolo-Schettini. Process algebras for network communication. *Fundamenta Informaticae*, 45(4):359–378, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Salibra:2001:NRL

- [89] Antonino Salibra. Nonmodularity results for Lambda calculus. *Fundamenta Informaticae*, 45(4):379–392, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zhao:2001:CRD

- [90] Xishun Zhao and Decheng Ding. Complexity results for 2CNF default theories. *Fundamenta Informaticae*, 45(4):393–404, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Duntsch:2001:P

- [91] Ivo Düntsch. Preface. *Fundamenta Informaticae*, 46(1–2):??, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cohn:2001:QSR

- [92] A. G. Cohn and S. M. Hazarika. Qualitative spatial representation and reasoning: An overview. *Fundamenta Informaticae*, 46(1–2):1–29, Jan-

uary 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Davis:2001:CST

- [93] Ernest Davis. Continuous shape transformation and metrics on regions. *Fundamenta Informaticae*, 46(1–2):31–54, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Galton:2001:DDT

- [94] Antony Galton. Dominance diagrams: A tool for qualitative reasoning about continuous systems. *Fundamenta Informaticae*, 46(1–2):55–70, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Duntsch:2001:AAR

- [95] Ivo Düntsch, Ewa Orłowska, and Hui Wang. Algebras of approximating regions. *Fundamenta Informaticae*, 46(1–2):71–82, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Polkowski:2001:CSR

- [96] Lech Polkowski. On connection synthesis via rough mereology. *Fundamenta Informaticae*, 46(1–2):83–96, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bittner:2001:QSB

- [97] Thomas Bittner. The qualitative structure of built environments. *Fundamenta Informaticae*, 46(1–2):97–128, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Schoop:2001:PPF

- [98] Dominik J. Schoop. Points in point-free mereotopology. *Fundamenta Informaticae*, 46(1–2):129–143, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bennett:2001:CAR

- [99] Brandon Bennett. A categorical axiomatisation of region-based geometry. *Fundamenta Informaticae*, 46(1–2):145–158, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pratt-Hartmann:2001:ERR

- [100] Ian Pratt-Hartmann. Empiricism and rationalism in region-based theories of space. *Fundamenta Informaticae*, 46(1–2):159–186, January 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Celani:2001:FID

- [101] Sergio A. Celani. A fragment of intuitionistic dynamic logic. *Fundamenta Informaticae*, 46(3):187–197, August 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Liau:2001:PDL

- [102] Churn-Jung Liao and Duen-Ren Liu. A possibilistic decision logic with applications. *Fundamenta Informaticae*, 46(3):199–217, August 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Engelbrecht:2001:SASb

- [103] Andries P. Engelbrecht. Sensitivity analysis for selective learning by feedforward neural networks. *Fundamenta Informaticae*, 46(3):219–252, August 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tiplea:2001:NSS

- [104] Ferucio Laurențiu Țiplea and Erkki Mäkinen. A note on SE-systems and regular canonical systems. *Fundamenta Informaticae*, 46(3):253–256, August 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Verma:2001:ARR

- [105] Rakesh M. Verma, Michael Rusinowitch, and Denis Lugiez. Algorithms and reductions for rewriting problems. *Fundamenta Informaticae*, 46(3):257–276, August 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Belohlavek:2001:RSP

- [106] Radim Bělohlávek. Reduction and a simple proof of characterization of fuzzy concept lattices. *Fundamenta Informaticae*, 46(4):277–285, December 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dietzfelbinger:2001:DMP

- [107] Martin Dietzfelbinger, Anna Gambin, and Sławomir Lasota. On different models for packet flow in multistage interconnection networks. *Fundamenta Informaticae*, 46(4):287–314, December 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nguyen:2001:MQL

- [108] Linh Anh Nguyen. The modal query language MDataLog. *Fundamenta Informaticae*, 46(4):315–342, December 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ostravsky:2001:PVS

- [109] Jan Ostravský. Prelanguages versus submonoids. *Fundamenta Informaticae*, 46(4):343–348, December 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ronse:2001:GCL

- [110] Christian Ronse and Jean Serra. Geodesy and connectivity in lattices. *Fundamenta Informaticae*, 46(4):349–395, December 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

El-Kwae:2001:P

- [111] E. El-Kwae and Z. Raś. Preface. *Fundamenta Informaticae*, 47(1–2):??, September 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kramer:2001:POC

- [112] Stefan Kramer, Gerhard Widmer, Bernhard Pfahringer, and Michael De Groeve. Prediction of ordinal classes using regression trees. *Fundamenta Informaticae*, 47(1–2):1–13, September 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Esposito:2001:GMB

- [113] Floriana Esposito, Nicola Fanizzi, Stefano Ferilli, and Giovanni Semeraro. A generalization model based on OI-implication for ideal theory refinement. *Fundamenta Informaticae*, 47(1–2):15–33, September 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Elomaa:2001:CCO

- [114] Tapio Elomaa and Juho Rousu. On the computational complexity of optimal multisplitting. *Fundamenta Informaticae*, 47(1–2):35–52, September 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hacid:2001:CBA

- [115] Mohand-Saïd Hacid, Farouk Toumani, and Ahmed K. Elmagarmid. Constraint-based approach to semistructured data. *Fundamenta Infor-*

maticae, 47(1–2):53–73, September 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hyun:2001:DME

- [116] Park Sang Hyun and Wesley W. Chu. Discovering and matching elastic rules from sequence databases. *Fundamenta Informaticae*, 47(1–2):75–90, September 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Puuronen:2001:LFS

- [117] Seppo Puuronen and Alexey Tsymbal. Local feature selection with dynamic integration of classifiers. *Fundamenta Informaticae*, 47(1–2):91–117, September 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kim:2001:CBR

- [118] Minkoo Kim, Jitender S. Deogun, and Vijay V. Raghavan. Concept based retrieval using generalized retrieval functions. *Fundamenta Informaticae*, 47(1–2):119–135, September 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fernandes:2001:DRU

- [119] Chris Fernandes and Lawrence Henschen. Discovering and resolving user intent in heterogeneous databases. *Fundamenta Informaticae*, 47(1–2):137–154, September 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bertino:2001:MII

- [120] Elisa Bertino, Barbara Catania, and Gian Piero Zarri. Metadata, intelligent indexing, and repository management for multimedia digital libraries. *Fundamenta Informaticae*, 47(1–2):155–173, September 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wieczorkowska:2001:MSC

- [121] Alicja Wieczorkowska. Musical sound classification based on wavelet analysis. *Fundamenta Informaticae*, 47(1–2):175–188, September 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Burkhard:2001:P

- [122] Hans-Dieter Burkhard, Peter Starke, and Ludwik Czaja. Preface. *Fundamenta Informaticae*, 47(3–4):??, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Barbuti:2001:TAN

- [123] Roberto Barbuti, Nicoletta De Francesco, and Luca Tesei. Timed automata with non-instantaneous actions. *Fundamenta Informaticae*, 47(3–4):189–200, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Burkhard:2001:SDC

- [124] Hans-Dieter Burkhard. Similarity and distance in case based reasoning. *Fundamenta Informaticae*, 47(3–4):201–215, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Czaja:2001:PLP

- [125] Ludwik Czaja and Manfred Kudlek. ω -process languages for place/transition nets. *Fundamenta Informaticae*, 47(3–4):217–229, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Esparza:2001:UBA

- [126] Javier Esparza and Claus Schröter. Unfolding based algorithms for the reachability problem. *Fundamenta Informaticae*, 47(3–4):231–245, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Farwer:2001:CCO

- [127] Bernd Farwer. Comparing concepts of object Petri net formalisms. *Fundamenta Informaticae*, 47(3–4):247–258, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Haar:2001:CCU

- [128] Stefan Haar. Clusters, confusion and unfoldings. *Fundamenta Informaticae*, 47(3–4):259–270, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lanotte:2001:TTC

- [129] Ruggero Lanotte, Andrea Maggiolo-Schettini, Simone Tini, and Adriano Peron. Transformations of timed cooperating automata. *Fundamenta Informaticae*, 47(3–4):271–282, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lomazova:2001:NPN

- [130] Irina A. Lomazova. Nested Petri nets: Multi-level and recursive systems. *Fundamenta Informaticae*, 47(3–4):283–293, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Neuendorf:2001:DSP

- [131] Klaus-Peter Neuendorf, Dong-Ho Lee, Dimitris Kiritsis, and Paul Xirouchakis. Disassembly scheduling with parts commonality using Petri nets with timestamps. *Fundamenta Informaticae*, 47(3–4):295–306, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Peters:2001:SFF

- [132] James F. Peters, S. Ramanna, M. Borkowski, Andrzej Skowron, and Zbigniew Suraj. Sensor, filter, and fusion models with rough Petri nets. *Fundamenta Informaticae*, 47(3–4):307–323, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Schmidt:2001:NPN

- [133] Karsten Schmidt. Narrowing Petri net state spaces using the state equation. *Fundamenta Informaticae*, 47(3–4):325–335, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Skowron:2001:IGD

- [134] Andrzej Skowron and Jarosław Stepaniuk. Information granule decomposition. *Fundamenta Informaticae*, 47(3–4):337–350, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wróblewski:2001:ECB

- [135] Jakub Wróblewski. Ensembles of classifiers based on approximate reducts. *Fundamenta Informaticae*, 47(3–4):351–360, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bach:2001:STI

- [136] Joscha Bach. Supporting textual input by using multiple entropy models. *Fundamenta Informaticae*, 48(1):1–7, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Frisco:2001:VCD

- [137] Pierluigi Frisco and Claudio Zandron. On variants of communicating distributed H systems. *Fundamenta Informaticae*, 48(1):9–20, October

2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Koutny:2001:BAC

- [138] Maciej Koutny and Giuseppe Pappalardo. Behaviour abstraction for communicating sequential processes. *Fundamenta Informaticae*, 48(1):21–54, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Meduna:2001:MGH

- [139] Aleksander Meduna and Petr Vurm. Multisequential grammars with homogeneous selectors. *Fundamenta Informaticae*, 48(1):55–60, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nguyen:2001:EHC

- [140] Hung Son Nguyen. On efficient handling of continuous attributes in large data bases. *Fundamenta Informaticae*, 48(1):61–81, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tourlakis:2001:CTO

- [141] George Tourlakis. Computability in Type-2 objects with well-behaved Type-1 oracles is p -normal. *Fundamenta Informaticae*, 48(1):83–91, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zhao:2001:SAE

- [142] Xishun Zhao and Decheng Ding. Some algorithms for extension computation of nonmonotonic rule systems. *Fundamenta Informaticae*, 48(1):93–106, October 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Demolombe:2001:P

- [143] Robert Demolombe and Risto Hilpinen. Preface. *Fundamenta Informaticae*, 48(2–3):??, November 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Broersen:2001:FPC

- [144] Jan Broersen, Roel Wieringa, and John-Jules Meyer. A fixed-point characterization of a Deontic logic of regular action. *Fundamenta Informaticae*, 48(2–3):107–128, November 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Carmo:2001:DAL

- [145] José Carmo and Olga Pacheco. Deontic and action logics for organized collective agency, modeled through institutionalized agents and roles. *Fundamenta Informaticae*, 48(2-3):129–163, November 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Carmo:2001:ADL

- [146] Jose Carmo, Robert Demolombe, and Andrew J. I. Jones. An application of Deontic logic to information system constraints. *Fundamenta Informaticae*, 48(2-3):165–181, November 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cholvy:2001:AAL

- [147] Laurence Cholvy and Christophe Garion. An attempt to adapt a logic of conditional preferences for reasoning with contrary-to-duties. *Fundamenta Informaticae*, 48(2-3):183–204, November 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hansen:2001:SSS

- [148] Jörg Hansen. Sets, sentences, and some logics about imperatives. *Fundamenta Informaticae*, 48(2-3):205–226, November 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jennings:2001:NFS

- [149] Ray E. Jennings. Natural frames and self-dual logics. *Fundamenta Informaticae*, 48(2-3):227–236, November 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Parent:2001:CIT

- [150] Xavier Parent. Cumulativity, identity and time in Deontic logic. *Fundamenta Informaticae*, 48(2-3):237–252, November 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Prakken:2001:MDL

- [151] Henry Prakken. Modelling defeasibility in law: Logic or procedure? *Fundamenta Informaticae*, 48(2-3):253–271, November 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sergot:2001:RAA

- [152] Marek Sergot and Fiona Richards. On the representation of action and agency in the theory of normative positions. *Fundamenta Informaticae*,

48(2–3):273–293, November 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nguyen:2001:UDF

- [153] Ngoc Thanh Nguyen. Using distance functions to solve representation choice problems. *Fundamenta Informaticae*, 48(4):295–314, December 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Puntigam:2001:TAO

- [154] Franz Puntigam and Christof Peter. Types for active objects with static deadlock prevention. *Fundamenta Informaticae*, 48(4):315–341, December 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sakai:2001:EPH

- [155] Hiroshi Sakai. Effective procedures for handling possible equivalence relations in non-deterministic information systems. *Fundamenta Informaticae*, 48(4):343–362, December 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Stachniak:2001:NCR

- [156] Zbigniew Stachniak. Non-clausal reasoning with definite theories. *Fundamenta Informaticae*, 48(4):363–388, December 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tyszkiewicz:2001:CSQ

- [157] Jerzy Tyszkiewicz. Computability by sequences of queries. *Fundamenta Informaticae*, 48(4):389–414, December 2001. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Martin-Vide:2002:F

- [158] Carlos Martín-Vide and Gheorghe Păun. Foreword. *Fundamenta Informaticae*, 49(1–3):??, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Martin-Vide:2002:MSC

- [159] Carlos Martín-Vide, Andrei Păun, Gheorghe Păun, and Grzegorz Rozenberg. Membrane systems with coupled transport: Universality and normal forms. *Fundamenta Informaticae*, 49(1–3):1–15, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Aguado:2002:SRR

- [160] Joaquin Aguado, Tudor Balanescu, Tony Cowling, Marian Gheorghe, Mike Holcombe, and Florentin Ipate. P systems with replicated rewriting and stream X -machines (Eilenberg machines). *Fundamenta Informaticae*, 49(1–3):17–33, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ardelean:2002:RCM

- [161] Ioan I. Ardelean. The relevance of cell membranes for P systems. General aspects. *Fundamenta Informaticae*, 49(1–3):35–43, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Atanasiu:2002:RCM

- [162] Adrian Atanasiu and Carlos Martín-Vide. Recursive calculus with membranes. *Fundamenta Informaticae*, 49(1–3):45–59, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ciobanu:2002:SSS

- [163] Gabriel Ciobanu and Dorin Paraschiv. P system software simulator. *Fundamenta Informaticae*, 49(1–3):61–66, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ciobanu:2002:GES

- [164] Gabriel Ciobanu and Bogdan Tanasă. Gene expression by software mechanisms. *Fundamenta Informaticae*, 49(1–3):67–80, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Freund:2002:GSF

- [165] Rudolf Freund and Marion Oswald. GP systems with forbidding context. *Fundamenta Informaticae*, 49(1–3):81–102, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Frisco:2002:DCU

- [166] Pierluigi Frisco, Hendrik Jan Hoogeboom, and Paul Sant. A direct construction of a universal P system. *Fundamenta Informaticae*, 49(1–3):103–122, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Giavitto:2002:TSM

- [167] Jean-Louis Giavitto and Olivier Michel. The topological structures of membrane computing. *Fundamenta Informaticae*, 49(1–3):123–145, Jan-

uary 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ji:2002:BIE

- [168] Sungchul Ji. The Bhopalator: An information/energy dual model of the living cell (II). *Fundamenta Informaticae*, 49(1-3):147-165, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Krishna:2002:PSC

- [169] S. N. Krishna, K. Lakshmanan, and R. Rama. On the power of P systems with contextual rules. *Fundamenta Informaticae*, 49(1-3):167-178, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Krithivasan:2002:CS

- [170] Kamala Krithivasan and Mutyam Madhu. Contextual P systems. *Fundamenta Informaticae*, 49(1-3):179-189, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kudlek:2002:CPM

- [171] Manfred Kudlek and Victor Mitrana. Closure properties of multiset language families. *Fundamenta Informaticae*, 49(1-3):191-203, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Manca:2002:DMA

- [172] Vincenzo Manca. DNA and membrane algorithms for SAT. *Fundamenta Informaticae*, 49(1-3):205-221, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Marcus:2002:MVD

- [173] Salomon Marcus. Membranes versus DNA. *Fundamenta Informaticae*, 49(1-3):223-227, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mate:2002:PSD

- [174] José L. Maté, A. Rodríguez-Patón, and Andrés Silva. On the power of P systems with DNA-worm-objects. *Fundamenta Informaticae*, 49(1-3):229-239, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nicolau:2002:CLS

- [175] Dan V. Nicolau, Jr., Gerardin Solana, Florin Fulga, and Dan V. Nicolau. A C library for simulating P systems. *Fundamenta Informaticae*, 49(1–3):241–248, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nishida:2002:SPS

- [176] Taishin Yasunobu Nishida. Simulations of photosynthesis by a K -subset transforming system with membrane. *Fundamenta Informaticae*, 49(1–3):249–259, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Perez-Jimenez:2002:FTS

- [177] Mario J. Pérez-Jiménez and Fernando Sancho-Caparrini. A formalization of transition P systems. *Fundamenta Informaticae*, 49(1–3):261–271, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Romero-Jimenez:2002:STM

- [178] Álvaro Romero-Jiménez and Mario J. Pérez-Jiménez. Simulating Turing machines by P systems with external output. *Fundamenta Informaticae*, 49(1–3):273–287, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Atanasiu:2002:IPM

- [179] Adrian Atanasiu, Carlos Martín-Vide, and Alexandru Mateescu. On the injectivity of the Parikh matrix mapping. *Fundamenta Informaticae*, 49(4):289–299, February 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bodlaender:2002:RUP

- [180] Hans L. Bodlaender, Michael J. Dinneen, and Bakhadyr Khoussainov. Relaxed update and partition network games. *Fundamenta Informaticae*, 49(4):301–312, February 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dziemidowicz:2002:OUL

- [181] Barbara Dziemidowicz. Optimal unification and learning algorithms for categorial grammars. *Fundamenta Informaticae*, 49(4):313–324, February 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Johnson:2002:PID

- [182] C. A. Johnson. Processing indefinite deductive databases under the possible model semantics. *Fundamenta Informaticae*, 49(4):325–347, February 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Klopotek:2002:NBT

- [183] Mieczysław Alojzy Klopotek. A new Bayesian tree learning method with reduced time and space complexity. *Fundamenta Informaticae*, 49(4):349–367, February 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pankowski:2002:PQL

- [184] Tadeusz Pankowski. PathLog: a query language for schemaless databases of partially labeled objects. *Fundamenta Informaticae*, 49(4):369–395, February 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Beauquier:2002:MDP

- [185] Danièle Beauquier. Markov decision processes and deterministic Büchi automata. *Fundamenta Informaticae*, 50(1):1–13, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kacprzak:2002:CAP

- [186] Magdalena Kacprzak. A complete axiomatization of process temporal logic. *Fundamenta Informaticae*, 50(1):15–31, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Klaudel:2002:CCP

- [187] Hanna Klaudel and Franck Pommereau. A class of composable and pre-emptible high-level Petri nets with an application to multi-tasking systems. *Fundamenta Informaticae*, 50(1):33–55, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moshkov:2002:DTB

- [188] Mikhail Ju. Moshkov. On decision trees for $(1, 2)$ -Bayesian networks. *Fundamenta Informaticae*, 50(1):57–76, January 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sureson:2002:ASD

- [189] Claude Sureson. Analytic sets in descriptive set theory and NP sets in complexity theory. *Fundamenta Informaticae*, 50(1):77–110, January

2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Janicki:2002:P

- [190] Ryszard Janicki. Preface. *Fundamenta Informaticae*, 50(2):??, February 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Baldamus:2002:BSC

- [191] Michael Baldamus and Klaus Schneider. The BDD space complexity of different forms of concurrency. *Fundamenta Informaticae*, 50(2):111–133, February 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Carmona:2002:SET

- [192] Josep Carmona, Jordi Cortadella, and Enric Pastor. A structural encoding technique for the synthesis of asynchronous circuits. *Fundamenta Informaticae*, 50(2):135–154, February 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Garnic:2002:OAD

- [193] O. Garnic, J. Lanchares, and R. Hermida. Optimization of asynchronous delay-insensitive pipeline latency using stage reorganization and optimal stage parameter estimation. *Fundamenta Informaticae*, 50(2):155–174, February 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pietkiewicz-Koutny:2002:SEN

- [194] Marta Pietkiewicz-Koutny. Synthesising elementary net systems with inhibitor arcs from step transition systems. *Fundamenta Informaticae*, 50(2):175–203, February 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Xia:2002:ASM

- [195] Fei Xia and Ian Clark. Algorithms for signal and message asynchronous communication mechanisms and their analysis. *Fundamenta Informaticae*, 50(2):205–222, February 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zuberek:2002:APB

- [196] W. M. Zuberek. Analysis of performance bottlenecks in multithreaded multiprocessor systems. *Fundamenta Informaticae*, 50(2):223–241,

February 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Balbiani:2002:MLI

- [197] Philippe Balbiani. A modal logic for indiscernibility and complementarity in information systems. *Fundamenta Informaticae*, 50(3–4):243–263, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chikalov:2002:ADD

- [198] Igor Chikalov. On average depth of decision trees implementing Boolean functions. *Fundamenta Informaticae*, 50(3–4):265–284, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Margenstern:2002:SDT

- [199] Maurice Margenstern and Yurii Rogozhin. Self-describing Turing machines. *Fundamenta Informaticae*, 50(3–4):285–303, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Polkowski:2002:FDI

- [200] Lech Polkowski. On fractal dimension in information systems. Toward exact sets in infinite information systems. *Fundamenta Informaticae*, 50(3–4):305–314, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Poranen:2002:LTS

- [201] Timo Poranen and Jyrki Nummenmaa. A linear time special case for MC games. *Fundamenta Informaticae*, 50(3–4):315–324, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Postow:2002:UUP

- [202] Brian Postow, Kenneth Regan, and Carl H. Smith. UPSILON: Universal programming system with incomplete lazy object notation. *Fundamenta Informaticae*, 50(3–4):325–359, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Reniers:2002:CT

- [203] Michel Reniers, J. F. Groote, M. B. van der Zwaag, and J. van Wamel. Completeness of timed μ CRL. *Fundamenta Informaticae*, 50(3–4):361–402, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Czaja:2002:P

- [204] Ludwik Czaja, Hans-Dieter Burkhard, and Peter Starke. Preface. *Fundamenta Informaticae*, 51(1–2):??, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Barbuti:2002:NNI

- [205] Roberto Barbuti, Nocoletta De Francesco, Antonella Santone, and Luca Tesei. A notion of non-interference for timed automata. *Fundamenta Informaticae*, 51(1–2):1–11, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bono:2002:PPS

- [206] Viviana Bono and Jerzy Tiuryn. Products and polymorphic subtypes. *Fundamenta Informaticae*, 51(1–2):13–41, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Czaja:2002:PTP

- [207] Ludwik Czaja. Place/transition Petri net evolutions: Recording ways, analysis and synthesis. *Fundamenta Informaticae*, 51(1–2):43–58, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dembinski:2002:VTA

- [208] Piotr Dembiński and Agata Pórola. Verification of timed automata based on similarity. *Fundamenta Informaticae*, 51(1–2):59–89, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Farwer:2002:DMO

- [209] Bernard Farwer. Dynamic modification of object Petri nets. An application to modelling protocols with fork-join structures. *Fundamenta Informaticae*, 51(1–2):91–101, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gomolinska:2002:CSS

- [210] Anna Gomolińska. A comparative study of some generalized rough approximations. *Fundamenta Informaticae*, 51(1–2):103–119, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lomazova:2002:MDO

- [211] Irina A. Lomazova. Modeling dynamic objects in distributed systems with nested Petri nets. *Fundamenta Informaticae*, 51(1–2):121–133,

March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Penczek:2002:BMC

- [212] Wojciech Penczek, Bożena Woźna, and Andrzej Zbrzezny. Bounded model checking for the universal fragment of CTL. *Fundamenta Informaticae*, 51(1-2):135–156, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Peters:2002:TOA

- [213] James F. Peters, Andrzej Skowron, Jarosław Stepaniuk, and Sheela Ramanna. Towards an ontology of approximate reason. *Fundamenta Informaticae*, 51(1-2):157–173, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ras:2002:GAR

- [214] Zbigniew W. Raś and Shishir Gupta. Global action rules in distributed knowledge systems. *Fundamenta Informaticae*, 51(1-2):175–184, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Richling:2002:VNF

- [215] Jan Richling, Louchka Popova-Zeugmann, and Matthias Werner. Verification of non-functional properties of a composable architecture with Petrinets. *Fundamenta Informaticae*, 51(1-2):185–200, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Suraj:2002:CDD

- [216] Zbigniew Suraj, J. F. Peters, and W. Rzasa. A comparison of different decision algorithms used in volumetric storm cells classification. *Fundamenta Informaticae*, 51(1-2):201–214, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Varpaaniemi:2002:MNS

- [217] Kimmo Varpaaniemi. Minimizing the number of successor states in the stubborn set method. *Fundamenta Informaticae*, 51(1-2):215–234, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Winkowski:2002:RCN

- [218] Józef Winkowski. Reachability in contextual nets. *Fundamenta Informaticae*, 51(1-2):235–250, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Burkhard:2002:RTC

- [219] Hans-Dieter Burkhard. Real time control for autonomous mobile robots. *Fundamenta Informaticae*, 51(3):251–270, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dunin-Kępicz:2002:CI

- [220] Barbara Dunin-Kępicz and Rineke Verbrugge. Collective intentions. *Fundamenta Informaticae*, 51(3):271–295, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Koutras:2002:WAM

- [221] Costas D. Koutras and Pavlos Pappas. Weaker axioms, more ranges. *Fundamenta Informaticae*, 51(3):297–310, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sen:2002:SIB

- [222] Jayanta Sen and Mihir K. Chakraborty. A study of interconnections between rough and 3-valued Łukasiewicz logics. *Fundamenta Informaticae*, 51(3):311–324, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Becher:2002:AEH

- [223] Verónica Becher and Gregory Chaitin. Another example of higher order randomness. *Fundamenta Informaticae*, 51(4):325–338, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Denis:2002:RFS

- [224] François Denis, Aurélien Lemay, and Alain Terlutte. Residual finite state automata. *Fundamenta Informaticae*, 51(4):339–368, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Góra:2002:RNC

- [225] Grzegorz Góra and Arkadiusz Wojna. RIONA: A new classification system combining rule induction and instance-based learning. *Fundamenta Informaticae*, 51(4):369–390, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kopeček:2002:EIS

- [226] Ivan Kopeček and Miroslav Novotný. On equations including strings. *Fundamenta Informaticae*, 51(4):391–398, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Meduna:2002:OTR

- [227] Alexander Meduna and Dušan Kolář. One-turn regulated pushdown automata and their reduction. *Fundamenta Informaticae*, 51(4):399–405, March 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cattaneo:2002:I

- [228] Gianpiero Cattaneo, Bruno Durand, Giancarlo Mauri, and Thomas Worsch. Introduction. *Fundamenta Informaticae*, 52(1–3):??, April 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Boccaro:2002:NCC

- [229] Nino Boccaro and Henryk Fukś. Number-conserving cellular automaton rules. *Fundamenta Informaticae*, 52(1–3):1–13, April 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Buchholz:2002:IAL

- [230] Thomas Buchholz, Andreas Klein, and Martin Kutrib. On interacting automata with limited nondeterminism. *Fundamenta Informaticae*, 52(1–3):15–38, April 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cattaneo:2002:CSR

- [231] Gianpiero Cattaneo, Alberto Dennunzio, and Luciano Margara. Chaotic subshifts and related languages applications to one-dimensional cellular automata. *Fundamenta Informaticae*, 52(1–3):39–80, April 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Delorme:2002:PAF

- [232] Marianne Delorme and Jacques Mazoyer. Pebble automata. Figures families recognition and universality. *Fundamenta Informaticae*, 52(1–3):81–132, April 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Imai:2002:FSS

- [233] Katsunobu Imai, Kenichi Morita, and Kenji Sako. Firing squad synchronization problem in number-conserving cellular automata. *Fundamenta Informaticae*, 52(1–3):133–141, April 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kurka:2002:SSC

- [234] Petr Kůrka and Alejandro Maass. Stability of subshifts in cellular automata. *Fundamenta Informaticae*, 52(1–3):143–155, April 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Martin:2002:GHG

- [235] Bruno Martin. A geometrical hierarchy on graphs via cellular automata. *Fundamenta Informaticae*, 52(1–3):157–181, April 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Merkle:2002:FLR

- [236] Daniel Merkle and Thomas Worsch. Formal language recognition by stochastic cellular automata. *Fundamenta Informaticae*, 52(1–3):183–201, April 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nichitiu:2002:ESH

- [237] Codrin M. Nichitiu and Eric Rémila. Effective simulations on hyperbolic networks. *Fundamenta Informaticae*, 52(1–3):203–231, April 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sanders:2002:CAE

- [238] Peter Sanders, Roland Vollmar, and Thomas Worsch. Cellular automata: Energy consumption and physical feasibility. *Fundamenta Informaticae*, 52(1–3):233–248, April 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sutner:2002:CAI

- [239] K. Sutner. Cellular automata and intermediate reachability problems. *Fundamenta Informaticae*, 52(1–3):249–256, April 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Umeo:2002:DRT

- [240] Hiroshi Umeo and Naoki Kamikawa. A design of real-time non-regular sequence generation algorithms and their implementations on cellular automata with 1-bit inter-cell communications. *Fundamenta Informaticae*, 52(1–3):257–275, April 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Weimar:2002:TDC

- [241] Jörg R. Weimar. Three-dimensional cellular automata for reaction-diffusion systems. *Fundamenta Informaticae*, 52(1–3):277–284, April

2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dey:2002:SAC

- [242] Sabyasachi Dey, Bhargab B. Bhattacharya, Malay K. Kundu, and Tinku Acharya Acharya. A simple architecture for computing moments and orientation of an image. *Fundamenta Informaticae*, 52(4):285–295, December 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Eshuis:2002:CRF

- [243] Rik Eshuis and Maarten M. Fokkinga. Comparing refinements for failure and bisimulation semantics. *Fundamenta Informaticae*, 52(4):297–321, December 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fan:2002:MFD

- [244] Tuan-Fang Fan, Churn-Jung Liau, and Yiyu Yao. On modal and fuzzy decision logics based on rough set theory. *Fundamenta Informaticae*, 52(4):323–344, December 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Novotny:2002:CPG

- [245] Miroslav Novotný. Construction of pure grammars. *Fundamenta Informaticae*, 52(4):345–360, December 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Okhotin:2002:OVC

- [246] Alexander Okhotin, Kai Salomaa, and Michael Domaratzki. One-visit caterpillar tree automata. *Fundamenta Informaticae*, 52(4):361–375, December 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Terlikowski:2002:LACa

- [247] Tomasz Terlikowski. A logical approach to control. Some new logical concepts and their application to the notion of safety for control variants. *Fundamenta Informaticae*, 52(4):377–394, December 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Demri:2002:ATD

- [248] Stéphane Demri and Ulrike Sattler. Automata-theoretic decision procedures for information logics. *Fundamenta Informaticae*, 53(1):1–22,

May 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Georgescu:2002:CLS

- [249] George Georgescu and Andrei Popescu. Concept lattices and similarity in non-commutative fuzzy logic. *Fundamenta Informaticae*, 53(1):23–54, May 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Middelburg:2002:PAN

- [250] Kees A. Middelburg. Process algebra with nonstandard timing. *Fundamenta Informaticae*, 53(1):55–77, May 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zhao:2002:CUE

- [251] Xishun Zhao and Paolo Liberatore. Complexity of the unique extension problem in default logic. *Fundamenta Informaticae*, 53(1):79–104, May 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Amadio:2002:MDN

- [252] Roberto Amadio, Gerard Boudol, and Cedric Lhoussaine. On message deliverability and non-uniform receptivity. *Fundamenta Informaticae*, 53(2):105–129, May 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hwang:2002:CHS

- [253] Min-Shiang Hwang, Cheng-Ch Lee, and Shin-Jia Hwang. Cryptanalysis of the Hwang-shi proxy signature scheme. *Fundamenta Informaticae*, 53(2):131–134, May 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jarvinen:2002:SRA

- [254] Jouni Järvinen. On the structure of rough approximations. *Fundamenta Informaticae*, 53(2):135–153, May 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Midelfart:2002:LRS

- [255] Herman Midelfart, Jan Komorowski, Kristin Nørsett, Fekadu Yadetie, Arne K. Sandovik, and Astrid Lægveid. Learning rough set classifiers from gene expressions and clinical data. *Fundamenta Informaticae*, 53(2):155–183, May 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tiplea:2002:CRT

- [256] Ferucio Tiplea, Erkki Mäkinen, Dragos Trincă, and Costel Enea. Characterization results for time-varying codes. *Fundamenta Informaticae*, 53(2):185–198, May 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Aho:2002:NPT

- [257] Isto Aho. New polynomial-time instances to various knapsack-type problems. *Fundamenta Informaticae*, 53(3–4):199–228, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bai:2002:OOD

- [258] Yun Bai and Vijay Varadharajan. Object oriented database with authorization policies. *Fundamenta Informaticae*, 53(3–4):229–250, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Benferhat:2002:MRR

- [259] Salem Benferhat, Didier Dubois, Sylvain Lagrue, and Odile Papini. Making revision reversible: an approach based on polynomials. *Fundamenta Informaticae*, 53(3–4):251–280, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Haar:2002:PCU

- [260] Stefan Haar. Probabilistic cluster unfoldings. *Fundamenta Informaticae*, 53(3–4):281–314, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Honkala:2002:NCA

- [261] Juha Honkala. A new class of algebraic series having a decidable equivalence problem. *Fundamenta Informaticae*, 53(3–4):315–320, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mani:2002:REP

- [262] A. Mani. Rough equalities from posets and rough difference orders. *Fundamenta Informaticae*, 53(3–4):321–333, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Polkowski:2002:RSA

- [263] Lech Polkowski and Bolesław Araszkievicz. A rough set approach to estimating the game value and the Shapley value from data. *Fundamenta*

Informaticae, 53(3–4):335–343, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Slowinski:2002:ARI

- [264] Krzysztof Słowiński, Jerzy Stefanowski, and Dariusz Siwiński. Application of rule induction and rough sets to verification of magnetic resonance diagnosis. *Fundamenta Informaticae*, 53(3–4):345–363, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Slezak:2002:AER

- [265] Dominik Ślezak. Approximate entropy reducts. *Fundamenta Informaticae*, 53(3–4):365–390, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Terlikowski:2002:LACb

- [266] Tomasz Terlikowski. A logical approach to control. The concept of inner implication. *Fundamenta Informaticae*, 53(3–4):391–397, August 2002. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Latkowski:2003:DID

- [267] Rafał Latkowski. On decomposition for incomplete data. *Fundamenta Informaticae*, 54(1):1–16, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Peltier:2003:CDP

- [268] Nicolas Peltier. Constructing decision procedures in equational clausal logic. *Fundamenta Informaticae*, 54(1):17–65, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Polkowski:2003:RMR

- [269] Lech Polkowski. Rough mereology: A rough set paradigm for unifying rough set theory and fuzzy set theory. *Fundamenta Informaticae*, 54(1):67–88, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wojnarski:2003:LCA

- [270] Marcin Wojnarski. LTF-C: Architecture, training algorithm and applications of new neural classifier. *Fundamenta Informaticae*, 54(1):89–105, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Burkhard:2003:Pa

- [271] Hans-Dieter Burkhard, Gabriela Lindemann, Peter Starke, and Ludwik Czaja. Preface. *Fundamenta Informaticae*, 54(2–3):??, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Abraham:2003:ESA

- [272] Uri Abraham and Tamar Pinhas. Exercises in style (alpha specifications). *Fundamenta Informaticae*, 54(2–3):107–135, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Barbuti:2003:DNT

- [273] Roberto Barbuti and Luca Tesei. A decidable notion of timed non-interference. *Fundamenta Informaticae*, 54(2–3):137–150, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Coja-Oghlan:2003:RAP

- [274] Amin Coja-Oghlan and Mark-Olivier Stehr. Revisiting the algebra of Petri net processes under the collective token philosophy. *Fundamenta Informaticae*, 54(2–3):151–164, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Czaja:2003:PNC

- [275] Ludwik Czaja. Proving nets correct via cause-effect structures (an experiment). *Fundamenta Informaticae*, 54(2–3):165–183, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Farwer:2003:SCH

- [276] Berndt Farwer, Manfred Kudlek, and Kundan Misra. Some considerations on higher-order Petri nets. *Fundamenta Informaticae*, 54(2–3):185–193, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

DeFrancesco:2003:AIM

- [277] Nicolette De Francesco, Antonella Santone, and Luca Tesei. Abstract interpretation and model checking for checking secure information flow in concurrent systems. *Fundamenta Informaticae*, 54(2–3):195–211, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kacprzak:2003:UMA

- [278] Magdalena Kacprzak. Undecidability of a multi-agent logic. *Fundamenta Informaticae*, 54(2–3):213–220, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kohler:2003:CMO

- [279] Michael Köhler and Heiko Rölke. Concurrency in mobile object net systems. *Fundamenta Informaticae*, 54(2–3):221–235, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lanotte:2003:DHM

- [280] Ruggero Lanotte, Andrea Maggiolo-Schettini, Adriano Peron, and Simone Tini. Dynamic hierarchical machines. *Fundamenta Informaticae*, 54(2–3):237–252, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Schmidt:2003:DVL

- [281] Karsten Schmidt. Distributed verification with LoLA. *Fundamenta Informaticae*, 54(2–3):253–262, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Skowron:2003:RSI

- [282] Andrzej Skowron, Jarosław Stepaniuk, and James F. Peters. Rough sets and infomorphisms: Towards approximation of relations in distributed environments. *Fundamenta Informaticae*, 54(2–3):263–277, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Varpaaniemi:2003:TAA

- [283] Kimmo Varpaaniemi. Towards ambitious approximation algorithms in stubborn set optimization. *Fundamenta Informaticae*, 54(2–3):279–294, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Devillers:2003:ABC

- [284] Raymond Devillers, Hanna Klaudel, Maciej Koutny, and Franck Pomereau. Asynchronous Box calculus. *Fundamenta Informaticae*, 54(4):295–344, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moshkov:2003:CIIa

- [285] Mikhail Ju. Moshkov. Classification of infinite information systems depending on complexity of decision trees and decision rule systems. *Fun-*

damenta Informaticae, 54(4):345–368, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Terlikowski:2003:DIF

- [286] Tomasz Terlikowski. Descriptive independence and the formal definition of sequential control structure. *Fundamenta Informaticae*, 54(4):369–385, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wakulicz-Deja:2003:ARS

- [287] Alicja Wakulicz-Deja and Piotr Peszek. Applying rough set theory to multi stage medical diagnosing. *Fundamenta Informaticae*, 54(4):387–408, June 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bloom:2003:DWF

- [288] Stephen L. Bloom and Zoltán Ésik. Deciding whether the frontier of a regular tree is scattered. *Fundamenta Informaticae*, 55(1):1–21, July 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Champarnaud:2003:TSI

- [289] Jean-Marc Champarnaud and Fabien Coulon. Theoretical study and implementation of the canonical automaton. *Fundamenta Informaticae*, 55(1):23–38, July 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dinu:2003:CAH

- [290] Liviu P. Dinu. On the classification and aggregation of hierarchies with different constitutive elements. *Fundamenta Informaticae*, 55(1):39–50, July 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moshkov:2003:CIIB

- [291] Mikhail Ju. Moshkov. Compressible infinite information systems. *Fundamenta Informaticae*, 55(1):51–61, July 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nguyen:2003:FSS

- [292] Linh Anh Nguyen. A fixpoint semantics and an SLD-resolution calculus for modal logic programs. *Fundamenta Informaticae*, 55(1):63–100, July 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Burkhard:2003:Pb

- [293] Hans-Dieter Burkhard, Gabriela Lindemann, Peter Starke, and Ludwik Czaaja. Preface. *Fundamenta Informaticae*, 55(2):??, August 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bashkin:2003:PNR

- [294] Vladimir A. Bashkin and Irina A. Lomazova. Petri nets and resource bisimulation. *Fundamenta Informaticae*, 55(2):101–114, August 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bellia:2003:APU

- [295] Marco Bellia and Eugenia M. Occhiuto. N -axioms parallel unification. *Fundamenta Informaticae*, 55(2):115–128, August 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Farwer:2003:MHO

- [296] Berndt Farwer and Kundan Misra. Modelling with hierarchical object Petri nets. *Fundamenta Informaticae*, 55(2):129–147, August 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pancerz:2003:SPN

- [297] Krzysztof Pancerz and Zbigniew Suraj. Synthesis of Petri net models: A rough set approach. *Fundamenta Informaticae*, 55(2):149–165, August 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Penczek:2003:VEP

- [298] Wojciech Penczek and Alessio Lomuscio. Verifying epistemic properties of multi-agent systems via bounded model checking. *Fundamenta Informaticae*, 55(2):167–185, August 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Popova-Zeugmann:2003:USE

- [299] Louchka Popova-Zeugmann, Matthias Werner, and Jan Richling. Using state equation to prove non-reachability in timed Petrinets. *Fundamenta Informaticae*, 55(2):187–202, August 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Polrola:2003:RAT

- [300] Agata Pórola, Wojciech Penczek, and Maciej Szreter. Reachability analysis for timed automata using partitioning algorithms. *Fundamenta In-*

formaticae, 55(2):203–221, August 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wozna:2003:CRP

- [301] Bożena Woźna, Andrzej Zbrzezny, and Wojciech Penczek. Checking reachability properties for timed automata via SAT. *Fundamenta Informaticae*, 55(2):223–241, August 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Aydin:2003:SVP

- [302] Suna Aydin and Henning Bordihn. Sequential versus parallel grammar formalisms with respect to measures of descriptonal complexity. *Fundamenta Informaticae*, 55(3–4):243–254, September 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cattaneo:2003:SSR

- [303] Gianpiero Cattaneo and Davide Ciucci. Shadowed sets and related algebraic structures. *Fundamenta Informaticae*, 55(3–4):255–284, September 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chlebus:2003:DCP

- [304] Bogdan S. Chlebus, Leszek Gasieniec, and Andrzej Pelc. Deterministic computations on a PRAM with static processor and memory faults. *Fundamenta Informaticae*, 55(3–4):285–306, September 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lee:2003:UBS

- [305] Cheng-Chi Lee, Wei-Pang Yang, and Min-Shiang Hwang. Untraceable blind signature schemes based on discrete logarithm problem. *Fundamenta Informaticae*, 55(3–4):307–320, September 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Diaconescu:2003:IIU

- [306] Răzvan Diaconescu. Institution-independent ultraproducts. *Fundamenta Informaticae*, 55(3–4):321–348, September 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kandulski:2003:DTL

- [307] Maciej Kandulski. Derived tree languages of nonassociative Lambek categorical grammars with product. *Fundamenta Informaticae*, 55(3–4):349–362, September 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Li:2003:ERC

- [308] Sanjiang Li and Mingsheng Ying. Extensionality of the RCC8 composition table. *Fundamenta Informaticae*, 55(3–4):363–385, September 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Weicker:2003:BPU

- [309] Karsten Weicker and Nicole Weicker. Basic principles for understanding evolutionary algorithms. *Fundamenta Informaticae*, 55(3–4):387–403, September 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Smyth:2003:F

- [310] Bill Smyth. Foreword. *Fundamenta Informaticae*, 56(1–2):??, January 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Crochemore:2003:OSH

- [311] Maxime Crochemore, Costas S. Iliopoulos, Thierry Lecroq, Yoan J. Pinzon, Wojciech Plandowski, and Wojciech Rytter. Occurrence and substring heuristics for δ -matching. *Fundamenta Informaticae*, 56(1–2):1–21, January 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kuri:2003:FMS

- [312] Josué Kuri, Gonzalo Navarro, and Ludovic Mé. Fast multipattern search algorithms for intrusion detection. *Fundamenta Informaticae*, 56(1–2):23–49, January 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Burkhardt:2003:BFG

- [313] Stefan Burkhardt and Juha Kärkkäinen. Better filtering with gapped q -grams. *Fundamenta Informaticae*, 56(1–2):51–70, January 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nicodeme:2003:RSP

- [314] Pierre Nicodème. Regexpcount, a symbolic package for counting problems on regular expressions and words. *Fundamenta Informaticae*, 56(1–2):71–88, January 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Crochemore:2003:SHH

- [315] Maxime Crochemore, Costas S. Iliopoulos, and Yoan J. Pinzon. Speeding-up Hirschberg and Hunt–Szymanski LCS algorithms. *Fundamenta Informaticae*, 56(1–2):89–103, January 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jansson:2003:FAO

- [316] Jesper Jansson and Andrzej Lingas. A fast algorithm for optimal alignment between similar ordered trees. *Fundamenta Informaticae*, 56(1–2):105–120, January 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Beal:2003:CFW

- [317] Marie-Pierre Béal, Maxime Crochemore, Filippo Mignosi, Antonio Restivo, and Marinella Sciortino. Computing forbidden words of regular languages. *Fundamenta Informaticae*, 56(1–2):121–135, January 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gasieniec:2003:TSE

- [318] Leszek Gasieniec and Igor Potapov. Time/space efficient compressed pattern matching. *Fundamenta Informaticae*, 56(1–2):137–154, January 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Afrati:2003:DC

- [319] Foto Afrati, Hans Leiß, and Michel de Rougemont. Definability and compression. *Fundamenta Informaticae*, 56(1–2):155–180, January 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lee:2003:SSA

- [320] Inbok Lee, Kunsoo Park, Yanghee Choi, and Sung Kwon Chung. A simple and scalable algorithm for the IP address lookup problem. *Fundamenta Informaticae*, 56(1–2):181–190, January 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mäkinen:2003:CSA

- [321] Veli Mäkinen. Compact suffix array — a space-efficient full-text index. *Fundamenta Informaticae*, 56(1–2):191–210, January 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Balbiani:2003:EUD

- [322] Philippe Balbiani. Eliminating unorthodox derivation rules in an axiom system for iteration-free PDL with intersection. *Fundamenta Informaticae*, 56(3):211–242, November 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Huang:2003:EPT

- [323] Hui-Feng Huang and Chin-Chen Chang. An efficient and practical (t, n) threshold proxy signature scheme with known signers. *Fundamenta Informaticae*, 56(3):243–253, November 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Margenstern:2003:IHP

- [324] Maurice Margenstern. On the infinigons of the hyperbolic plane, a combinatorial approach. *Fundamenta Informaticae*, 56(3):255–272, November 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ord:2003:ENF

- [325] Toby Ord and Tien D. Kieu. On the existence of a new family of Diophantine equations for Ω . *Fundamenta Informaticae*, 56(3):273–284, November 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wojna:2003:CBI

- [326] Arkadiusz Wojna. Center-based indexing in vector and metric spaces. *Fundamenta Informaticae*, 56(3):285–310, November 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ceterchi:2003:TLS

- [327] Rodica Ceterchi, Radu Gramatovici, Nataša Jonoska, and K. G. Subramanian. Tissue-like P systems with active membranes for picture generation. *Fundamenta Informaticae*, 56(4):311–328, December 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dunin-Kęplicz:2003:ECC

- [328] Barbara Dunin-Kęplicz and Rineke Verbrugge. Evolution of collective commitment during teamwork. *Fundamenta Informaticae*, 56(4):329–371, December 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Terlikowski:2003:NED

- [329] Tomasz Terlikowski. On the notion of elementary description. *Fundamenta Informaticae*, 56(4):373–387, December 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Truthe:2003:FPL

- [330] Bianca Truthe. On the finiteness of picture languages of synchronous, simple non-deterministic chain code picture systems. *Fundamenta Informaticae*, 56(4):389–409, December 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Demolombe:2003:ERA

- [331] Robert Demolombe. An extended relational algebra on abstract objects for summarizing answers to queries. *Fundamenta Informaticae*, 57(1):1–15, January 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jain:2003:ICL

- [332] Sanjay Jain. The intrinsic complexity of learning: A survey. *Fundamenta Informaticae*, 57(1):17–37, January 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Malerba:2003:LRT

- [333] Donato Malerba. Learning recursive theories in the normal ILP setting. *Fundamenta Informaticae*, 57(1):39–77, January 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wang:2003:EDF

- [334] Shu-Ching Wang and Chieng-Fu Cheng. Eventually dual failure agreement. *Fundamenta Informaticae*, 57(1):79–99, January 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Doherty:2003:P

- [335] Patrick Doherty, Andrzej Skowron, Witold Łukaszewicz, and Andrzej Szalas. Preface. *Fundamenta Informaticae*, 57(2–4):??, February 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dubois:2003:QPL

- [336] Didier Dubois, Sébastien Konieczny, and Henri Prade. Quasi-possibilistic logic and its measures of information and conflict. *Fundamenta Informaticae*, 57(2–4):101–125, February 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Godó:2003:FML

- [337] Lluís Godó, Petr Hájek, and Francesc Esteva. A fuzzy modal logic for belief functions. *Fundamenta Informaticae*, 57(2–4):127–146, February 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Doherty:2003:TFA

- [338] Patrick Doherty, Michał Grabowski, Witold Łukaszewicz, and Andrzej Szałas. Towards a framework for approximate ontologies. *Fundamenta Informaticae*, 57(2–4):147–165, February 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Grosskreutz:2003:PCA

- [339] Henrik Grosskreutz and Gerhard Lakemeyer. Probabilistic complex actions in GOLOG. *Fundamenta Informaticae*, 57(2–4):167–192, February 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Madalińska-Bugaj:2003:FDL

- [340] Ewa Madalińska-Bugaj and Witold Łukaszewicz. Formalizing defeasible logic in CAKE. *Fundamenta Informaticae*, 57(2–4):193–213, February 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Vitoria:2003:RSR

- [341] Aida Vitória, Carlos Viegas Damásio, and Jan Maluszyński. From rough sets to rough knowledge bases. *Fundamenta Informaticae*, 57(2–4):215–246, February 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Baader:2003:TAD

- [342] Franz Baader, Jan Hladik, Carsten Lutz, and Frank Wolter. From tableaux to automata for description logics. *Fundamenta Informaticae*, 57(2–4):247–279, February 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Harrenstein:2003:MCN

- [343] Paul Harrenstein, Wiebe van der Hoek, John-Jules Meyer, and Cees Witteveen. A modal characterization of Nash equilibrium. *Fundamenta Informaticae*, 57(2–4):281–321, February 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Herzig:2003:MPB

- [344] Andreas Herzig. Modal probability, belief, and actions. *Fundamenta Informaticae*, 57(2–4):323–344, February 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dix:2003:MAU

- [345] Jürgen Dix, Thomas Eiter, Michael Fink, Axel Polleres, and Yingqian Zhang. Monitoring agents using declarative planning. *Fundamenta Informaticae*, 57(2–4):345–370, February 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fichtner:2003:IEM

- [346] Matthias Fichtner, Axel Großmann, and Michael Thielscher. Intelligent execution monitoring in dynamic environments. *Fundamenta Informaticae*, 57(2–4):371–392, February 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Konczak:2003:GCA

- [347] Kathrin Konczak, Torsten Schaub, and Thomas Linke. Graphs and colorings for answer set programming with preferences. *Fundamenta Informaticae*, 57(2–4):393–421, February 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Corradini:2003:P

- [348] Andrea Corradini and Hans-Jörg Kreowski. Preface. *Fundamenta Informaticae*, 58(1):??, March 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gyapay:2003:GTT

- [349] Szilvia Gyapay, Dániel Varró, and Reiko Heckel. Graph transformation with time. *Fundamenta Informaticae*, 58(1):1–22, March 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hage:2003:EGT

- [350] Jurriaan Hage, Tero Harju, and Emo Welzl. Euler graphs, triangle-free graphs and bipartite graphs in switching classes. *Fundamenta Informaticae*, 58(1):23–37, March 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hoffmann:2003:ACS

- [351] Berthold Hoffmann. Abstraction and control for shapely nested graph transformation. *Fundamenta Informaticae*, 58(1):39–65, March 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Alhazov:2003:SPC

- [352] Artiom Alhazov, Carlos Martín-Vide, and Linqiang Pan. Solving a PSPACE-complete problem by recognizing P systems with restricted active membranes. *Fundamenta Informaticae*, 58(2):67–77, April 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Belohlavek:2003:FCO

- [353] Radim Bělohlávek. Fuzzy closure operators induced by similarity. *Fundamenta Informaticae*, 58(2):79–91, April 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chan:2003:NCI

- [354] Chao-Wen Chan and Chin-Chen Chang. A new channel for image hiding based on interpolating polynomials. *Fundamenta Informaticae*, 58(2):93–104, April 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kllopotek:2003:RLE

- [355] Mieczysław Kllopotek. Reasoning and learning in extended structured Bayesian networks. *Fundamenta Informaticae*, 58(2):105–137, April 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kou:2003:WLA

- [356] Hui Kou and Maokang Luo. On (weakly) local approximation spaces of information systems. *Fundamenta Informaticae*, 58(2):139–150, April 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Terlikowski:2003:RCN

- [357] Tomasz Terlikowski. Risk in control. On the notion of risk function. *Fundamenta Informaticae*, 58(2):151–165, April 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tsai:2003:IIS

- [358] Chwei-Shyong Tsai and Chin-Chen Chang. An improvement to image segment based on human visual system for object-based coding. *Fun-*

damenta Informaticae, 58(2):167–178, April 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tsai:2003:DBD

- [359] Chwei-Shyong Tsai and Chin-Chen Chang. A DWT-based deblocking technique based on edge detection and zero masking for reducing blocking effect. *Fundamenta Informaticae*, 58(2):179–188, April 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wu:2003:HDW

- [360] Hsien-Chu Wu and Chin-Chen Chang. Hiding digital watermarks using fractal compression technique. *Fundamenta Informaticae*, 58(2):189–202, April 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kutrib:2003:F

- [361] Martin Kutrib, Maurice Margenstern, and Hiroshi Umeo. Foreword. *Fundamenta Informaticae*, 58(3–4):??, May 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kurka:2003:CAV

- [362] Petr Kůrka. Cellular automata with vanishing particles. *Fundamenta Informaticae*, 58(3–4):203–221, May 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sutner:2003:APC

- [363] Klaus Sutner. Almost periodic configurations on linear cellular automata. *Fundamenta Informaticae*, 58(3–4):223–240, May 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Worsch:2003:SBC

- [364] Thomas Worsch. Simulations between cellular automata on trees extended by horizontal edges. *Fundamenta Informaticae*, 58(3–4):241–260, May 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Iwamoto:2003:SBM

- [365] Chuzo Iwamoto, Katsuyuki Tateishi, Kenichi Morita, and Katsunobu Imai. Simulations between multi-dimensional deterministic and alternating cellular automata. *Fundamenta Informaticae*, 58(3–4):261–271, May 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kutrib:2003:STB

- [366] Martin Kutrib and Jan-Thomas Löwe. Space- and time-bounded non-determinism for cellular automata. *Fundamenta Informaticae*, 58(3–4): 273–293, May 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lee:2003:EUD

- [367] Jia Lee, Susumu Adachi, Ferdinand Peper, and Kenichi Morita. Embedding universal delay-insensitive circuits in asynchronous cellular spaces. *Fundamenta Informaticae*, 58(3–4):295–320, May 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Maji:2003:TAC

- [368] Pradipta Maji, Chandrama Shaw, Niloy Ganguly, Biplab K. Sikdar, and P. Pal Chaudhuri. Theory and application of cellular automata for pattern classification. *Fundamenta Informaticae*, 58(3–4):321–354, May 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Malcher:2003:OWC

- [369] Andreas Malcher. On one-way cellular automata with a fixed number of cells. *Fundamenta Informaticae*, 58(3–4):355–368, May 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Margenstern:2003:TDC

- [370] Maurice Margenstern and Gencho Skordev. Tools for devising cellular automata in the hyperbolic 3D space. *Fundamenta Informaticae*, 58(3–4):369–398, May 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nishio:2003:IDC

- [371] Hidenosuke Nishio and Takashi Saito. Information dynamics of cellular automata I — an algebraic study. *Fundamenta Informaticae*, 58(3–4): 399–420, May 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Umeo:2003:RTG

- [372] Hiroshi Umeo and Naoki Kamikawa. Real-time generation of primes by a 1-bit-communication cellular automaton. *Fundamenta Informaticae*, 58(3–4):421–435, May 2003. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Burton:2004:RCP

- [373] Jonathan Burton, Maciej Koutny, and Giuseppe Pappalardo. Relating communicating processes with different interfaces. *Fundamenta Informaticae*, 59(1):1–37, June 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ghosh:2004:NPS

- [374] Sujata Ghosh and Mihir Kr. Chakraborty. Nonmonotonic proof systems: Algebraic foundations. *Fundamenta Informaticae*, 59(1):39–65, June 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jonoska:2004:TOS

- [375] Nataša Jonoska and Maurice Margenstern. Tree operations in P systems and λ -calculus. *Fundamenta Informaticae*, 59(1):67–90, June 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Terlikowski:2004:RTD

- [376] Tomasz Terlikowski. Risk-type description of control variants. *Fundamenta Informaticae*, 59(1):91–106, June 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wang:2004:P

- [377] Guoyin Wang, Qing Liu, Tsau Young Lin, Yi Yu Yao, and Lech Polkowski. Preface. *Fundamenta Informaticae*, 59(2-3):??, July 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bazan:2004:VRS

- [378] Jan Bazan, Hung Son Nguyen, and Marcin Szczuka. A view on rough set concept approximations. *Fundamenta Informaticae*, 59(2-3):107–118, July 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Guan:2004:DMD

- [379] J. W. Guan, D. Y. Liu, and D. A. Bell. Discovering motifs in DNA sequences. *Fundamenta Informaticae*, 59(2-3):119–134, July 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hu:2004:NRS

- [380] Xiaohua Hu, T. Y. Lin, and Jianchao Han. A new rough sets model based on database systems. *Fundamenta Informaticae*, 59(2-3):135–152,

July 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Li:2004:IMS

- [381] Dan Li and Jitender S. Deogun. Interpolation models for spatiotemporal association mining. *Fundamenta Informaticae*, 59(2-3):153–172, July 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Li:2004:DMD

- [382] Hongsong Li, Houkuan Huang, and Youfang Lin. DSD: Maintain data cubes more efficiently. *Fundamenta Informaticae*, 59(2-3):173–190, July 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mazlack:2004:IC

- [383] Lawrence J. Mazlack. Imperfect causality. *Fundamenta Informaticae*, 59(2-3):191–201, July 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Miao:2004:CRS

- [384] Duoqian Miao and Lishan Hou. A comparison of rough set methods and representative inductive learning algorithms. *Fundamenta Informaticae*, 59(2-3):203–219, July 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pagliani:2004:PDS

- [385] Piero Pagliani. Pretopologies and dynamic spaces. *Fundamenta Informaticae*, 59(2-3):221–239, July 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Skowron:2004:RIM

- [386] Andrzej Skowron and Piotr Synak. Reasoning in information maps. *Fundamenta Informaticae*, 59(2-3):241–259, July 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nguyen:2004:RSA

- [387] Tuan Trung Nguyen. Rough set approach to domain knowledge approximation. *Fundamenta Informaticae*, 59(2-3):261–270, July 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tsumoto:2004:ESM

- [388] Shusaku Tsumoto. Extraction of structure of medical diagnosis from clinical data. *Fundamenta Informaticae*, 59(2–3):271–285, July 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zhang:2004:QST

- [389] Ling Zhang and Bo Zhang. The quotient space theory of problem solving. *Fundamenta Informaticae*, 59(2–3):287–298, July 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zheng:2004:RRS

- [390] Zheng Zheng and Guoyin Wang. RRIA: A rough set and rule tree based incremental knowledge acquisition algorithm. *Fundamenta Informaticae*, 59(2–3):299–313, July 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Baaz:2004:ACM

- [391] Matthias Baaz, Agata Ciabattoni, and Franco Montagna. Analytic calculi for monoidal T -norm based logic. *Fundamenta Informaticae*, 59(4):315–332, December 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dobrev:2004:LER

- [392] Stefan Dobrev and Andrzej Pelc. Leader election in rings with nonunique labels. *Fundamenta Informaticae*, 59(4):333–347, December 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Domaratzki:2004:TBE

- [393] Michael Domaratzki. Trajectory-based embedding relations. *Fundamenta Informaticae*, 59(4):349–363, December 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hartmann:2004:ERF

- [394] Sven Hartmann, Sebastian Link, Klaus-Dieter Schewe, and Bernhard Thalheim. Error-robust functional dependencies. *Fundamenta Informaticae*, 59(4):365–372, December 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moschoyiannis:2004:STF

- [395] Sotiris Moschoyiannis and Michael W. Shields. A set-theoretic framework for component composition. *Fundamenta Informaticae*, 59(4):373–396,

December 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Burkhard:2004:P

- [396] Hans-Dieter Burkhard, Gabriela Lindemann, Ludwik Czaja, and Zbigniew Suraj. Preface. *Fundamenta Informaticae*, 60(1–4):??, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mazurkiewicz:2004:BRN

- [397] Antoni Mazurkiewicz. Bilateral ranking negotiations. *Fundamenta Informaticae*, 60(1–4):1–16, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mosses:2004:ELS

- [398] Peter D. Mosses. Exploiting labels in structural operational semantics. *Fundamenta Informaticae*, 60(1–4):17–31, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pawlak:2004:DRD

- [399] Zdzisław Pawlak. Decision rules and dependencies. *Fundamenta Informaticae*, 60(1–4):33–39, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ambroszkiewicz:2004:ELD

- [400] Stanisław Ambroszkiewicz. Entish: A language for describing data processing in open distributed systems. *Fundamenta Informaticae*, 60(1–4):41–66, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Barbuti:2004:AIA

- [401] Roberto Barbuti, Stefano Cataudella, and Luca Tesei. Abstract interpretation against races. *Fundamenta Informaticae*, 60(1–4):67–79, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bernardeschi:2004:CAS

- [402] Cinzia Bernardeschi, Nicoletta De Francesco, and Giuseppe Lettieri. Concrete and abstract semantics to check secure information flow in concurrent programs. *Fundamenta Informaticae*, 60(1–4):81–98, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Doroshenko:2004:MPP

- [403] Analoliy Doroshenko and Georgy Tseitlin. Models and parallel programming abstractions to enhance concurrency of parallel programs. *Fundamenta Informaticae*, 60(1–4):99–111, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Farwer:2004:MON

- [404] Berndt Farwer and Michael Köhler. Mobile object-net systems and their processes. *Fundamenta Informaticae*, 60(1–4):113–129, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Farwer:2004:NSM

- [405] Berndt Farwer and Manfred Kudlek. A new synchronisation model for multi-level object Petri nets. *Fundamenta Informaticae*, 60(1–4):131–142, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fryc:2004:FRU

- [406] B. Fryc, K. Pancercz, J. F. Peters, and Z. Suraj. On fuzzy reasoning using matrix representation of extended fuzzy Petri nets. *Fundamenta Informaticae*, 60(1–4):143–157, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gomolińska:2004:GMF

- [407] Anna Gomolińska. A graded meaning of formulas in approximation spaces. *Fundamenta Informaticae*, 60(1–4):159–172, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Heckel:2004:DMU

- [408] Martin Heckel and Jaroslav Zendulka. Data mining and its use in texture analysis. *Fundamenta Informaticae*, 60(1–4):173–186, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Janowska:2004:STS

- [409] Agata Janowska and Paweł Janowski. Slicing timed systems. *Fundamenta Informaticae*, 60(1–4):187–210, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Konikowka:2004:DVM

- [410] Beata Konikowka and Wojciech Penczek. On designated values in multi-valued CTL* model checking. *Fundamenta Informaticae*, 60(1–4):211–

224, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lomazowa:2004:CIA

- [411] Irina A. Lomazowa. Communities of interacting automata for modelling distributed systems with dynamic structure. *Fundamenta Informaticae*, 60(1–4):225–235, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ochmanski:2004:BFH

- [412] Edward Ochmański. Best fairness hierarchy in elementary nets. *Fundamenta Informaticae*, 60(1–4):237–250, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pancerz:2004:DCM

- [413] Krzysztof Pancerz and Zbigniew Suraj. Discovering concurrent models from data tables with the ROSECON system. *Fundamenta Informaticae*, 60(1–4):251–268, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Polak:2004:PET

- [414] Michał Polak, Paweł Majdzik, Zbigniew Banaszak, and Robert Wójcik. The performance evaluation tool for automated prototyping of concurrent cyclic processes. *Fundamenta Informaticae*, 60(1–4):269–289, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Polkowski:2004:SRS

- [415] Lech Polkowski and Maria Semeniuk-Polkowska. Some remarks on sets of communicating sequential processes in topological rough set framework. *Fundamenta Informaticae*, 60(1–4):291–305, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Polrola:2004:MAT

- [416] Agata Półrola and Wojciech Penczek. Minimization algorithms for time Petri nets. *Fundamenta Informaticae*, 60(1–4):307–331, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Redziejowski:2004:AOP

- [417] Roman R. Redziejowski. On associative Omega-products. *Fundamenta Informaticae*, 60(1–4):333–350, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Skowron:2004:CP

- [418] Andrzej Skowron and Piotr Synak. Complex patterns. *Fundamenta Informaticae*, 60(1–4):351–366, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tini:2004:CSG

- [419] Simone Tini and Andrea Maggiolo-Schettini. Compositional synthesis of generalized Mealy machines. *Fundamenta Informaticae*, 60(1–4):367–382, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Virbitskaite:2004:OMO

- [420] Irina B. Virbitskaite and Natalya S. Gribovskaya. Open maps and observational equivalences for timed partial order models. *Fundamenta Informaticae*, 60(1–4):383–399, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wolski:2004:GCD

- [421] Marcin Wolski. Galois connections and data analysis. *Fundamenta Informaticae*, 60(1–4):401–415, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zbrzezny:2004:ISB

- [422] Andrzej Zbrzezny. Improvements in SAT-based reachability analysis for timed automata. *Fundamenta Informaticae*, 60(1–4):417–434, September 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bandini:2004:IFI

- [423] Stefania Bandini and Carla Simone. Integrating forms of interaction in a distributed model. *Fundamenta Informaticae*, 61(1):1–17, October 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Grigorieff:2004:RCA

- [424] Serge Grigorieff and Maurice Margenstern. Register cellular automata in the hyperbolic plane. *Fundamenta Informaticae*, 61(1):19–27, October 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kislak-Malinowska:2004:CP

- [425] Aleksandra Kiślak-Malinowska. Conjoinability in pregroups. *Fundamenta Informaticae*, 61(1):29–36, October 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Polkowski:2004:NVR

- [426] Lech Polkowski. A note on 3-valued rough logic accepting decision rules. *Fundamenta Informaticae*, 61(1):37–45, October 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Redziejowski:2004:ACC

- [427] Roman R. Redziejowski. Asynchronous circuits, communicating processes, and Muller automaton. *Fundamenta Informaticae*, 61(1):47–59, October 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Rudeanu:2004:SOR

- [428] Sergiu Rudeanu and Dragoş Vaida. Semirings in operations research and computer science: More algebra. *Fundamenta Informaticae*, 61(1):61–85, October 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Suraj:2004:P

- [429] Zbigniew Suraj. Preface. *Fundamenta Informaticae*, 61(2):??, November 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moshov:2004:COD

- [430] Mikhail Ju. Moshov and Igor V. Chikalov. Consecutive optimization of decision trees concerning various complexity measures. *Fundamenta Informaticae*, 61(2):87–96, November 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pancerz:2004:DAC

- [431] Krzysztof Pancerz and Zbigniew Suraj. Discovery of asynchronous concurrent models from experimental tables. *Fundamenta Informaticae*, 61(2):97–116, November 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pindur:2004:HAD

- [432] Roman Pindur, Robert Susmaga, and Jerzy Stefanowski. Hyperplane aggregation of dominance decision rules. *Fundamenta Informaticae*, 61(2):

117–137, November 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Stepaniuk:2004:LFO

- [433] Jarosław Stepaniuk and Piotr Hońko. Learning first-order rules: A rough set approach. *Fundamenta Informaticae*, 61(2):139–157, November 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Susmaga:2004:RCA

- [434] Robert Susmaga. Reducts and constructs in attribute reduction. *Fundamenta Informaticae*, 61(2):159–181, November 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bergstra:2004:LAP

- [435] Jan A. Bergstra and Cornelis A. Middelburg. Located actions in process algebra with timing. *Fundamenta Informaticae*, 61(3–4):183–211, August 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chan:2004:RVB

- [436] Yung-Kuan Chan, Her-Fa Wang, and Chin-Fan Lee. A refined VQ-based image compression method. *Fundamenta Informaticae*, 61(3–4):213–221, August 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Georgescu:2004:CCF

- [437] Irina Georgescu. Consistency conditions in fuzzy consumers theory. *Fundamenta Informaticae*, 61(3–4):223–245, August 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Janin:2004:RBM

- [438] David Janin and Giacomo Lenzi. On the relationship between monadic and weak monadic second order logic on arbitrary trees, with applications to the mu-calculus. *Fundamenta Informaticae*, 61(3–4):247–265, August 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kozera:2004:ALT

- [439] Ryszard Kozera. Asymptotics for length and trajectory from cumulative chord piecewise-quartics. *Fundamenta Informaticae*, 61(3–4):267–283, August 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kozera:2004:ICC

- [440] Ryszard Kozera and Lyle Noakes. C^1 interpolation with cumulative chord cubics. *Fundamenta Informaticae*, 61(3–4):285–301, August 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Skarbek:2004:DLF

- [441] Władysław Skarbek, Krzysztof Kucharski, and Mirosław Bober. Dual LDA for face recognition. *Fundamenta Informaticae*, 61(3–4):303–334, August 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Skarbek:2004:FIF

- [442] Władysław Skarbek, Thomas Sikora, and Grzegorz Galinski. Fast index filtering in vector approximation file. *Fundamenta Informaticae*, 61(3–4):335–349, August 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Werner:2004:MPN

- [443] Matthias Werner, Louchka Popova-Zeugmann, and Jan Richling. A method to prove non-reachability in priority duration Petri nets. *Fundamenta Informaticae*, 61(3–4):351–368, August 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wnukowicz:2004:IID

- [444] Karol Wnukowicz. Image indexing by distributed color temperature descriptions. *Fundamenta Informaticae*, 61(3–4):369–378, August 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Yu:2004:SIS

- [445] Yuan-Hui Yu and Chin-Chen Chang. Scenery image segmentation using support vector machines. *Fundamenta Informaticae*, 61(3–4):379–388, August 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hwang:2004:EKA

- [446] Min-Shiang Hwang, Jung-Wen Lo, and Chia-Hsin Liu. Enhanced of key agreement protocols resistant to a denial-of-service attack. *Fundamenta Informaticae*, 61(3–4):389–398, August 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Trakhtenbrot:2004:P

- [447] Boris A. Trakhtenbrot. Preface. *Fundamenta Informaticae*, 62(1):??, January 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hirshfeld:2004:LRT

- [448] Yoram Hirshfeld and Alexander Rabinovich. Logics for real time: Decidability and complexity. *Fundamenta Informaticae*, 62(1):1–28, January 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Slissenko:2004:LFV

- [449] Anatol Slissenko. A logic framework for verification of timed algorithms. *Fundamenta Informaticae*, 62(1):29–67, January 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Trakhtenbrot:2004:UBA

- [450] B. A. Trakhtenbrot. Understanding basic automata theory in the continuous time setting. *Fundamenta Informaticae*, 62(1):69–121, January 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pardo:2004:SCC

- [451] D. Pardo, A. Rabinovich, and B. A. Trakhtenbrot. Synchronous circuits over continuous time: Feedback reliability and completeness. *Fundamenta Informaticae*, 62(1):123–137, January 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Janicki:2004:P

- [452] Ryszard Janicki. Preface. *Fundamenta Informaticae*, 62(2):??, February 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bontemps:2004:SOR

- [453] Yves Bontemps, Pierre-Yves Schobbens, and Christof Löding. Synthesis of open reactive systems from scenario-based specifications. *Fundamenta Informaticae*, 62(2):139–169, February 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cortadella:2004:QSS

- [454] Jordi Cortadella, Alex Kondratyev, Luciano Lavagno, Alexander Taubin, and Yosinori Watanabe. Quasi-static scheduling for concurrent architec-

tures. *Fundamenta Informaticae*, 62(2):171–196, February 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Esparza:2004:PTA

- [455] Javier Esparza. A polynomial-time algorithm for checking consistency of free-choice signal transition graphs. *Fundamenta Informaticae*, 62(2):197–220, February 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Khomenko:2004:DSE

- [456] Victor Khomenko, Maciej Koutny, and Alex Yakovlev. Detecting state encoding conflicts in STG unfoldings using SAT. *Fundamenta Informaticae*, 62(2):221–241, February 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Talpin:2004:FRC

- [457] Jean-Pierre Talpin, Paul Le Guernic, Sandeep Kumar Shukla, Frédéric Doucet, and Rajesh Gupta. Formal refinement checking in a system-level design methodology. *Fundamenta Informaticae*, 62(2):243–273, February 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chang:2004:ASS

- [458] Chin-Chen Chang, Piyu Tsai, and Min-Hui Lin. An adaptive steganographic scheme for color images. *Fundamenta Informaticae*, 62(3–4):275–289, March 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cassez:2004:TEA

- [459] Franck Cassez, Claire Pagetti, and Olivier Roux. A timed extension for ALTARICA. *Fundamenta Informaticae*, 62(3–4):291–332, March 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Finkel:2004:PFL

- [460] Olivier Finkel. An ω -power of a finitary language which is a Borel set of infinite rank. *Fundamenta Informaticae*, 62(3–4):333–342, March 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Johnson:2004:QCU

- [461] Chris A. Johnson. Query compilation under the disjunctive well-founded semantics. *Fundamenta Informaticae*, 62(3–4):343–368, March 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Karpinski:2004:AAM

- [462] Marek Karpinski, Mirosław Kowaluk, and Andrzej Lingas. Approximation algorithms for MAX-BISECTION on low degree regular graphs. *Fundamenta Informaticae*, 62(3–4):369–375, March 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Liberatore:2004:CBR

- [463] Paolo Liberatore and Marco Schaerf. The compactness of belief revision and update operators. *Fundamenta Informaticae*, 62(3–4):377–393, March 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Marciniac:2004:OUI

- [464] Jacek Marciniac. Optimal unification of infinite sets of types. *Fundamenta Informaticae*, 62(3–4):395–407, March 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

De:2004:RST

- [465] Supriya Kumar De. A rough set theoretic approach to clustering. *Fundamenta Informaticae*, 62(3–4):409–417, March 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fredriksson:2004:ESM

- [466] Kimmo Fredriksson and Jorma Tarhio. Efficient string matching in Huffman compressed texts. *Fundamenta Informaticae*, 63(1):1–16, January 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Holzer:2004:KAUa

- [467] Richard Holzer. Knowledge acquisition under incomplete knowledge using methods from formal concept analysis: Part I. *Fundamenta Informaticae*, 63(1):17–39, January 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Holzer:2004:KAUb

- [468] Richard Holzer. Knowledge acquisition under incomplete knowledge using methods from formal concept analysis: Part II. *Fundamenta Informaticae*, 63(1):41–63, January 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wozna:2004:APB

- [469] Bożena Woźna. ACTLS properties and bounded model checking. *Fundamenta Informaticae*, 63(1):65–87, January 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wu:2004:EIW

- [470] Hsien-Chu Wu and Chin-Chen Chang. Embedding invisible watermarks into digital images based on side-match vector quantization. *Fundamenta Informaticae*, 63(1):89–106, January 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2004:P

- [471] Anonymous. Preface. *Fundamenta Informaticae*, 63(2–3):??, May 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Shehory:2004:CFT

- [472] Onn Shehory. Coalition formation: Towards feasible solutions. *Fundamenta Informaticae*, 63(2–3):107–124, May 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Weyns:2004:FMS

- [473] Danny Weyns and Tom Holvoet. A formal model for situated multi-agent systems. *Fundamenta Informaticae*, 63(2–3):125–158, May 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Aldewereld:2004:RTL

- [474] Huib Aldewereld, Wiebe van der Hoek, and John-Jules Meyer. Rational teams: Logical aspects of multi-agent systems. *Fundamenta Informaticae*, 63(2–3):159–183, May 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jamroga:2004:AKH

- [475] Wojciech Jamroga and Wiebe van der Hoek. Agents that know how to play. *Fundamenta Informaticae*, 63(2–3):185–219, May 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kacprzak:2004:BUM

- [476] M. Kacprzak, A. Lomuscio, and W. Penczek. From bounded to unbounded model checking for temporal epistemic logic. *Fundamenta Informaticae*, 63(2–3):221–240, May 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mazurkiewicz:2004:MRN

- [477] Antoni Mazurkiewicz. Multilateral ranking negotiations. *Fundamenta Informaticae*, 63(2–3):241–258, May 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

deHaan:2004:KBA

- [478] Hendrik Wietze de Haan, Wim H. Hesselink, and Gerard R. Renardel de Lavalette. Knowledge-based asynchronous programming. *Fundamenta Informaticae*, 63(2–3):259–281, May 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dunin-Kępicz:2004:TMC

- [479] Barbara Dunin-Kępicz and Rineke Verbrugge. A tuning machine for cooperative problem solving. *Fundamenta Informaticae*, 63(2–3):283–307, May 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

deBoer:2004:TLL

- [480] Frank S. de Boer, Maurizio Gabbrielli, and Maria C. Meo. A timed Linda language and its denotational semantics. *Fundamenta Informaticae*, 63(4):309–330, June 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cattaneo:2004:ASRa

- [481] Gianpiero Cattaneo, Davide Ciucci, Roberto Giuntini, and Martin Konig. Algebraic structures related to many valued logical systems. Part I: Heyting–Wajsberg algebras. *Fundamenta Informaticae*, 63(4):331–355, June 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cattaneo:2004:ASRb

- [482] Gianpiero Cattaneo, Davide Ciucci, Roberto Giuntini, and Martin Konig. Algebraic structures related to many valued logical systems. Part II: Equivalence among some widespread structures. *Fundamenta Informaticae*, 63(4):357–373, June 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dojer:2004:ATR

- [483] Norbert Dojer. Applying term rewriting to partial algebra theory. *Fundamenta Informaticae*, 63(4):375–384, June 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sirjani:2004:MVR

- [484] Marjan Sirjani, Ali Movaghar, Amin Shali, and Frank S. de Boer. Modeling and verification of reactive systems using Rebeca. *Fundamenta Informaticae*, 63(4):385–410, June 2004. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Calude:2005:CC

- [485] C. Calude, Gh. Păun, and G. Rozenberg. Contagious creativity. *Fundamenta Informaticae*, 64(1–4):??, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Balaban:2005:MCC

- [486] Alexandru T. Balaban. Mathematical chemistry: $(3, g)$ -cages with girth g , topological indices, and other graph-theoretical problems. *Fundamenta Informaticae*, 64(1–4):1–16, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Enguix:2005:BO

- [487] Gemma Bel Enguix and Maria Dolores Jiménez López. Biosyntax. An overview. *Fundamenta Informaticae*, 64(1–4):17–28, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bernardini:2005:SAP

- [488] Francesco Bernardini, Marian Gheorghe, and Vincenzo Manca. On P systems and almost periodicity. *Fundamenta Informaticae*, 64(1–4):29–42, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Calude:2005:PCP

- [489] Cristian S. Calude and Sergiu Rudeanu. Proving as a computable procedure. *Fundamenta Informaticae*, 64(1–4):43–52, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Campeanu:2005:RTN

- [490] Cezar Câmpeanu, Lila Kari, and Andrei Păun. Results on transforming NFA into DFCA. *Fundamenta Informaticae*, 64(1–4):53–63, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cavaliere:2005:TSM

- [491] Matteo Cavaliere and Dragoş Sburlan. Time and synchronization in membrane systems. *Fundamenta Informaticae*, 64(1–4):65–77, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ceterchi:2005:TCG

- [492] Rodica Ceterchi and Radu Gramatovici. On total contextual grammars with restricted choice. *Fundamenta Informaticae*, 64(1–4):79–91, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ciobanu:2005:ADG

- [493] Gabriel Ciobanu and Mihai Gontineac. An automata description of the genetic message translation. *Fundamenta Informaticae*, 64(1–4):93–107, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dassow:2005:CGS

- [494] Jürgen Dassow. Contextual grammars with subregular choice. *Fundamenta Informaticae*, 64(1–4):109–118, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Davidson:2005:FDC

- [495] Michael Davidson and Lucian Ilie. Fast data compression with antidictionaries. *Fundamenta Informaticae*, 64(1–4):119–134, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dinu:2005:RDA

- [496] Liviu P. Dinu. Rank distance with applications in similarity of natural languages. *Fundamenta Informaticae*, 64(1–4):135–149, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Domosi:2005:NIL

- [497] Pál Dömösi and Manfred Kudlek. New iteration lemmata for regular languages. *Fundamenta Informaticae*, 64(1–4):151–157, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fernau:2005:RRE

- [498] Henning Fernau, Rudolf Freund, and Markus Holzer. Representations of recursively enumerable array languages by contextual array grammars. *Fundamenta Informaticae*, 64(1–4):159–170, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gramatovici:2005:PLI

- [499] Radu Gramatovici and Florin Manea. Parsing local internal contextual languages with context-free choice. *Fundamenta Informaticae*, 64(1–4):

171–183, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Head:2005:DLD

- [500] Tom Head. Does light direct life toward cosmic awareness? *Fundamenta Informaticae*, 64(1–4):185–189, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ipate:2005:RFS

- [501] Florentin Ipate and Tudor Bălănescu. Refinement in finite state machine testing. *Fundamenta Informaticae*, 64(1–4):191–203, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ipate:2005:CTS

- [502] Florentin Ipate and Mike Holcombe. Complete testing from a stream X -machine specification. *Fundamenta Informaticae*, 64(1–4):205–216, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jurdzinski:2005:DTW

- [503] Tomasz Jurdziński, Friedrich Otto, František Mráz, and Martin Plátek. Deterministic two-way restarting automata and Marcus contextual grammars. *Fundamenta Informaticae*, 64(1–4):217–228, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kappes:2005:RBM

- [504] Martin Kappes. On the relationship between multiple brackets and selector languages in bracketed contextual grammars. *Fundamenta Informaticae*, 64(1–4):229–239, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Krishna:2005:FRC

- [505] Shankara Narayanan Krishna, R. Rama, and H. Ramesh. Further results on contextual and rewriting P systems. *Fundamenta Informaticae*, 64(1–4):241–253, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kudlek:2005:PCG

- [506] Manfred Kudlek. On probabilistic contextual grammars. *Fundamenta Informaticae*, 64(1–4):255–260, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Manca:2005:LGB

- [507] Vincenzo Manca. On the logic and geometry of bilinear forms. *Fundamenta Informaticae*, 64(1–4):261–273, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mardare:2005:LAB

- [508] Radu Mardare and Corrado Priami. Logical analysis of biological systems. *Fundamenta Informaticae*, 64(1–4):275–289, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Margenstern:2005:TVD

- [509] Maurice Margenstern, Sergey Verlan, and Yurii Rogozhin. Time-varying distributed H systems: An overview. *Fundamenta Informaticae*, 64(1–4):291–306, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mitrana:2005:MEC

- [510] Victor Mitrana. Marcus external contextual grammars: From one to many dimensions. *Fundamenta Informaticae*, 64(1–4):307–316, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mutyam:2005:CRE

- [511] Madhu Mutyam, Kamala Krithivasan, and A. Siddhartha Reddy. On characterizing recursively enumerable languages by insertion grammars. *Fundamenta Informaticae*, 64(1–4):317–324, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Novotny:2005:CCG

- [512] Miroslav Novotný. Construction of contextual grammars. *Fundamenta Informaticae*, 64(1–4):325–340, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Okhotin:2005:CGU

- [513] Alexander Okhotin and Kai Salomaa. Contextual grammars with uniform sets of trajectories. *Fundamenta Informaticae*, 64(1–4):341–351, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Paun:2005:SAS

- [514] Gheorghe Păun, Mario J. Pérez-Jiménez, Juan Pazos, and Alfonso Rodríguez-Patón. Symport/antiport P systems with three objects are

universal. *Fundamenta Informaticae*, 64(1–4):353–367, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pawlak:2005:FGI

- [515] Zdzisław Pawlak. Flow graphs and intelligent data analysis. *Fundamenta Informaticae*, 64(1–4):369–377, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Polkowski:2005:RSL

- [516] Lech Polkowski and Maria Semeniuk-Polkowska. On rough set logics based on similarity relations. *Fundamenta Informaticae*, 64(1–4):379–390, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Salomaa:2005:IPM

- [517] Arto Salomaa. On the injectivity of Parikh matrix mappings. *Fundamenta Informaticae*, 64(1–4):391–404, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Scollo:2005:RCP

- [518] Giuseppe Scollo. ω -rewriting the Collatz problem. *Fundamenta Informaticae*, 64(1–4):405–416, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Skowron:2005:RSV

- [519] Andrzej Skowron. Rough sets and vague concepts. *Fundamenta Informaticae*, 64(1–4):417–431, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tatar:2005:WSD

- [520] Doina Tatar. Word sense disambiguation by machine learning approach: A short survey. *Fundamenta Informaticae*, 64(1–4):433–442, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Titchener:2005:DCE

- [521] Mark R. Titchener, Radu Nicolescu, Ludwig Staiger, Aaron Gulliver, and Ulrich Speidel. Deterministic complexity and entropy. *Fundamenta Informaticae*, 64(1–4):443–461, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tomescu:2005:APF

- [522] Ioan Tomescu. Asymptotic properties of the factors of words over a finite alphabet. *Fundamenta Informaticae*, 64(1–4):463–470, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Yu:2005:SCR

- [523] Sheng Yu. State complexity: Recent results and open problems. *Fundamenta Informaticae*, 64(1–4):471–480, July 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hofmann:2005:TLC

- [524] Martin Hofmann and Paweł Urzyczyn. Typed Lambda calculi and applications 2003, selected papers. *Fundamenta Informaticae*, 65(1–2):??, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Abbott:2005:DDD

- [525] Michael Abbott, Thorsten Altenkirch, Conor McBride, and Neil Ghani. ∂ for data: Differentiating data structures. *Fundamenta Informaticae*, 65(1–2):1–28, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Amadio:2005:SMP

- [526] Roberto M. Amadio. Synthesis of max-plus quasi-interpretations. *Fundamenta Informaticae*, 65(1–2):29–60, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Blanqui:2005:ITC

- [527] Frédéric Blanqui. Inductive types in the calculus of algebraic constructions. *Fundamenta Informaticae*, 65(1–2):61–86, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Coppola:2005:PTL

- [528] Paolo Coppola and Simona Ronchi della Rocca. Principal typing for lambda calculus in elementary affine logic. *Fundamenta Informaticae*, 65(1–2):87–112, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Coquand:2005:LFD

- [529] Thierry Coquand, Randy Pollack, and Makoto Takeyama. A logical framework with dependently typed records. *Fundamenta Informaticae*,

65(1–2):113–134, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Joly:2005:DFM

- [530] Thierry Joly. On λ -definability I: the fixed model problem and generalizations of the matching problem. *Fundamenta Informaticae*, 65(1–2):135–151, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kakutani:2005:PFP

- [531] Yoshihiko Kakutani and Masahito Hasegawa. Parameterizations and fixed-point operators on control categories. *Fundamenta Informaticae*, 65(1–2):153–172, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Laird:2005:SBB

- [532] Jim Laird. Sequentiality in bounded biorders. *Fundamenta Informaticae*, 65(1–2):173–191, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Doberkat:2005:TRPa

- [533] Ernst-Erich Doberkat. Tracing relations probabilistically. *Fundamenta Informaticae*, 65(3):193–209, September 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ehrig:2005:BIH

- [534] Hartmut Ehrig. Behaviour and instantiation of high-level Petri net processes. *Fundamenta Informaticae*, 65(3):211–247, September 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mani:2005:SRS

- [535] A. Mani. Super rough semantics. *Fundamenta Informaticae*, 65(3):249–261, September 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mycka:2005:RRF

- [536] Jerzy Mycka. Real recursive functions and Baire classes. *Fundamenta Informaticae*, 65(3):263–278, September 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Verlan:2005:ASS

- [537] Sergey Verlan and Maurice Margenstern. About splicing P systems with one membrane. *Fundamenta Informaticae*, 65(3):279–290, September

2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chan:2005:IHS

- [538] Chi-Shiang Chan and Chin-Chen Chang. An image hiding scheme based on multi-bit-reference substitution table using dynamic programming strategy. *Fundamenta Informaticae*, 65(4):291–305, October 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Georgescu:2005:RPC

- [539] Irina Georgescu. Revealed preference, congruence and rationality: A fuzzy approach. *Fundamenta Informaticae*, 65(4):307–328, October 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Li:2005:CRM

- [540] Sanjiang Li, Mingsheng Ying, and Yongming Li. On countable RCC models. *Fundamenta Informaticae*, 65(4):329–351, October 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lu:2005:DCV

- [541] Tzu-Chuen Lu and Chin-Chen Chang. Data compressor for VQ index tables. *Fundamenta Informaticae*, 65(4):353–371, October 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Richard:2005:RTM

- [542] Adrien Richard, Jean-Paul Comet, and Gilles Bernot. R. Thomas' modeling of biological regulatory networks: Introduction of singular states in the qualitative dynamics. *Fundamenta Informaticae*, 65(4):373–392, October 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Washio:2005:AMG

- [543] Takashi Washio, Luc De Raedt, and Joost N. Kok. Advances in mining graphs, trees and sequences. *Fundamenta Informaticae*, 66(1–2):??, November 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ferre:2005:DSA

- [544] Sébastien Ferré and Ross D. King. A dichotomic search algorithm for mining and learning in domain-specific logics. *Fundamenta Informaticae*, 66(1–2):1–32, November 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zaki:2005:EMF

- [545] Mohammed J. Zaki. Efficiently mining frequent embedded unordered trees. *Fundamenta Informaticae*, 66(1–2):33–52, November 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Inokuchi:2005:GFM

- [546] Akihiro Inokuchi, Takashi Washio, and Hiroshi Motoda. A general framework for mining frequent subgraphs from labeled graphs. *Fundamenta Informaticae*, 66(1–2):53–82, November 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Holder:2005:GBR

- [547] Lawrence Holder, Diane Cook, Jeff Coble, and Maitrayee Mukherjee. Graph-based relational learning with application to security. *Fundamenta Informaticae*, 66(1–2):83–101, November 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Habrard:2005:DIS

- [548] Amaury Habrard, Marc Bernard, and Marc Sebban. Detecting irrelevant subtrees to improve probabilistic learning from tree-structured data. *Fundamenta Informaticae*, 66(1–2):103–130, November 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Geamsakul:2005:CDT

- [549] Warodom Geamsakul, Tetsuya Yoshida, Kouzou Ohara, Hiroshi Motoda, Hideto Yokoi, and Katsuhiko Takabayashi. Constructing a decision tree for graph-structured data and its applications. *Fundamenta Informaticae*, 66(1–2):131–160, November 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chi:2005:FSM

- [550] Yun Chi, Richard R. Muntz, Siegfried Nijssen, and Joost N. Kok. Frequent subtree mining — an overview. *Fundamenta Informaticae*, 66(1–2):161–198, November 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Borzyszkowski:2005:GIF

- [551] Tomasz Borzyszkowski. Generalized interpolation in first order logic. *Fundamenta Informaticae*, 66(3):199–219, December 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Devillers:2005:SAC

- [552] Raymond Devillers and Hanna Klaudel. Synchronous and asynchronous communications in composable parameterized high-level Petri nets. *Fundamenta Informaticae*, 66(3):221–257, December 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Doberkat:2005:TRPb

- [553] Ernst-Erich Doberkat. Tracing relations probabilistically. *Fundamenta Informaticae*, 66(3):259–275, December 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Finkel:2005:WCH

- [554] Olivier Finkel. On winning conditions of high Borel complexity in push-down games. *Fundamenta Informaticae*, 66(3):277–298, December 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moshkova:2005:EMD

- [555] Albina Moshkova. On effective methods for diagnosis of retaining faults in circuits. *Fundamenta Informaticae*, 66(3):299–313, December 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pettorossi:2005:PTT

- [556] Alberto Pettorossi and Maurizio Proietti. Program transformation: Theoretical foundations and basic techniques. Part 1. *Fundamenta Informaticae*, 66(4):??, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cunha:2005:PFP

- [557] Alcino Cunha and Jorge Sousa Pinto. Point-free program transformation. *Fundamenta Informaticae*, 66(4):315–352, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gibbons:2005:PMC

- [558] Jeremy Gibbons and Graham Hutton. Proof methods for corecursive programs. *Fundamenta Informaticae*, 66(4):353–366, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gluck:2005:MAP

- [559] Robert Glück and Masahiko Kawabe. A method for automatic program inversion based on LR(0) parsing. *Fundamenta Informaticae*, 66(4):367–395, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Danvy:2005:TBA

- [560] Olivier Danvy and Mayer Goldberg. There and back again. *Fundamenta Informaticae*, 66(4):397–413, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lisper:2005:IUT

- [561] Björn Lisper. Infinite unfolding and transformations of nondeterministic programs. *Fundamenta Informaticae*, 66(4):415–439, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Burkhard:2005:CSP

- [562] Hans-Dieter Burkhard, Ludwik Czaja, Gabriela Lindemann, and Zbigniew Suraj. Concurrency specification and programming. *Fundamenta Informaticae*, 67(1–3):??, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Barbuti:2005:AIO

- [563] Roberto Barbuti and Stefano Cataudella. Abstract interpretation of an object calculus for synchronization optimizations. *Fundamenta Informaticae*, 67(1–3):1–12, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Barbuti:2005:PMM

- [564] Roberto Barbuti, Stefano Cataudella, Andrea Maggiolo-Schettini, Paolo Milazzo, and Angelo Troina. A probabilistic model for molecular systems. *Fundamenta Informaticae*, 67(1–3):13–27, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bellia:2005:HOP

- [565] Marco Bellia and M. Eugenia Occhiuto. Higher order programming in Java: Introspection, subsumption and extraction. *Fundamenta Informaticae*, 67(1–3):29–44, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Czaja:2005:AFP

- [566] Ludwik Czaja. An axiomatic framework for proving correctness of nets. *Fundamenta Informaticae*, 67(1–3):45–64, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Farwer:2005:PNP

- [567] Berndt Farwer and Michael Köhler. Petri net processes for zero-safe nets. *Fundamenta Informaticae*, 67(1–3):65–75, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gomolińska:2005:SMF

- [568] Anna Gomolińska. Satisfiability and meaning of formulas and sets of formulas in approximation spaces. *Fundamenta Informaticae*, 67(1–3):77–92, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Klunder:2005:SCF

- [569] Barbara Klunder, Edward Ochmański, and Krystyna Stawikowska. On star-connected flat languages. *Fundamenta Informaticae*, 67(1–3):93–105, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kryvyy:2005:AMA

- [570] Sergiy Kryvyy, Lyudmila Matvyeyeva, and Mariya Lopatina. Automatic modeling and analysis of MSC-specified systems. *Fundamenta Informaticae*, 67(1–3):107–120, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kudlek:2005:PPN

- [571] Manfred Kudlek. Probability in Petri nets. *Fundamenta Informaticae*, 67(1–3):121–130, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Latkowski:2005:FIR

- [572] Rafał Latkowski. Flexible indiscernibility relations for missing attribute values. *Fundamenta Informaticae*, 67(1–3):131–147, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Popova-Zeugmann:2005:TPN

- [573] Louchka Popova-Zeugmann, Monika Heiner, and Ina Koch. Time Petri nets for modelling and analysis of biochemical networks. *Fundamenta Informaticae*, 67(1–3):149–162, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Popova-Zeugmann:2005:ERS

- [574] Louchka Popova-Zeugmann and Matthias Werner. Extreme runtimes of schedules modelled by time Petri nets. *Fundamenta Informaticae*, 67(1–

3):163–174, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Redziejowski:2005:AOP

- [575] Roman R. Redziejowski. Associative Omega-products of traces. *Fundamenta Informaticae*, 67(1–3):175–185, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Schroter:2005:SFN

- [576] Kay Schröter, Diemo Urbig, and Nora Hans. Social formation of negotiation space and groups for non-isolated multilateral negotiations. *Fundamenta Informaticae*, 67(1–3):187–201, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Stepaniuk:2005:MCP

- [577] Jarosław Stepaniuk, Jan G. Bazan, and Andrzej Skowron. Modelling complex patterns by information systems. *Fundamenta Informaticae*, 67(1–3):203–217, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Suraj:2005:CDK

- [578] Zbigniew Suraj, James F. Peters, and Piotr Grochowalski. A controller design for the Khepera robot: A rough set approach. *Fundamenta Informaticae*, 67(1–3):219–231, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Suraj:2005:RBC

- [579] Zbigniew Suraj and Krzysztof Pancierz. Restriction-based concurrent system design using the rough set formalism. *Fundamenta Informaticae*, 67(1–3):233–247, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Synak:2005:STA

- [580] Piotr Synak, Jan G. Bazan, Andrzej Skowron, and James F. Peters. Spatio-temporal approximate reasoning over complex objects. *Fundamenta Informaticae*, 67(1–3):249–269, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Urbig:2005:WBN

- [581] Diemo Urbig. Weight-based negotiation mechanisms: Balancing personal utilities. *Fundamenta Informaticae*, 67(1–3):271–285, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wroblewski:2005:USL

- [582] Dobiesław Wróblewski. Universal semi-local election protocol using forward links. *Fundamenta Informaticae*, 67(1–3):287–301, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zbrzezny:2005:SBR

- [583] Andrzej Zbrzezny. SAT-based reachability checking for timed automata with diagonal constraints. *Fundamenta Informaticae*, 67(1–3):303–322, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gire:2005:NPS

- [584] Françoise Gire and Corinne Plourde. A new partial semantics for disjunctive deductive databases. *Fundamenta Informaticae*, 67(4):323–342, March 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Janicki:2005:TET

- [585] Ryszard Janicki and Alan Wassylng. Tabular expressions and their relational semantics. *Fundamenta Informaticae*, 67(4):343–370, March 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Popa:2005:KTD

- [586] Ionuț Popa. KDS-transformation for data compression. *Fundamenta Informaticae*, 67(4):371–375, March 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Xu:2005:FSO

- [587] Jian Xu and Jeffery Zucker. First and second order recursion on abstract data types. *Fundamenta Informaticae*, 67(4):377–419, March 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Boryczka:2005:EIA

- [588] Mariusz Boryczka. Eliminating introns in ant colony programming. *Fundamenta Informaticae*, 68(1–2):1–19, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Burrieza:2005:MLA

- [589] Alfredo Burrieza and Manuel Ojeda-Aciego. A multimodal logic approach to order of magnitude qualitative reasoning with comparability and negligibility relations. *Fundamenta Informaticae*, 68(1–2):21–46, January

2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Eberbach:2005:CBR

- [590] Eugene Eberbach. λ -calculus of bounded rational agents: Flexible optimization as search under bounded resources in interactive systems. *Fundamenta Informaticae*, 68(1-2):47–102, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fecher:2005:ESA

- [591] Harald Fecher and Mila Majster-Cederbaum. Event structures for arbitrary disruption. *Fundamenta Informaticae*, 68(1-2):103–130, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Stehr:2005:OCCa

- [592] Mark-Oliver Stehr. The open calculus of constructions (part i): An equational type theory with dependent types for programming, specification, and interactive theorem proving. *Fundamenta Informaticae*, 68(1-2):131–174, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Winkowski:2005:TFM

- [593] Józef Winkowski. Towards a framework for modelling systems with rich internal structures of states and processes. *Fundamenta Informaticae*, 68(1-2):175–206, January 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chang:2005:IHT

- [594] Chin-Chen Chang and Chi-Shiang Chan. An inverse halftoning technique using modified look-up tables. *Fundamenta Informaticae*, 68(3):207–220, May 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Palka:2005:FMP

- [595] Ewa Palka. On finite model property of the equational theory of Kleene algebras. *Fundamenta Informaticae*, 68(3):221–230, May 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Stay:2005:VSC

- [596] Michael Stay. Very simple Chaitin machines for concrete AIT. *Fundamenta Informaticae*, 68(3):231–247, May 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Stehr:2005:OCCb

- [597] Mark-Oliver Stehr. The open calculus of constructions (Part II): An equational type theory with dependent types for programming, specification, and interactive theorem proving. *Fundamenta Informaticae*, 68(3):249–288, May 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wang:2005:CSA

- [598] Guoyin Y. Wang, Jun Zhao, Jiujiang An, and Yu Wu. A comparative study of algebra viewpoint and information viewpoint in attribute reduction. *Fundamenta Informaticae*, 68(3):289–301, May 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bocharov:2005:IDC

- [599] Igor Bocharov and Pavel Lukin. Information divergence criterion in speech signal recognition. *Fundamenta Informaticae*, 68(4):303–313, June 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lin:2005:NDB

- [600] Chih-Yang Lin, Chin-Chen Chang, and Chia-Chen Lin. A new density-based scheme for clustering based on genetic algorithm. *Fundamenta Informaticae*, 68(4):315–331, June 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Poranen:2005:GHA

- [601] Timo Poranen. A genetic hillclimbing algorithm for the optimal linear arrangement problem. *Fundamenta Informaticae*, 68(4):333–356, June 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Qi:2005:ICL

- [602] Guilin Qi, Peter Milligan, and Paul Sage. Incidence calculus on Lukasiewicz’s three-valued logic. *Fundamenta Informaticae*, 68(4):357–378, June 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sydow:2005:RSB

- [603] Marcin Sydow. Random surfer with back step. *Fundamenta Informaticae*, 68(4):379–398, June 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wu:2005:SSP

- [604] Hsien-Chu Wu, Min-Shiang Hwang, and Chia-Hsin Liu. A secure strong-password authentication protocol. *Fundamenta Informaticae*, 68(4):399–406, June 2005. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pettorossi:2006:PTT

- [605] Alberto Pettorossi and Maurizio Proietti. Program transformation: Theoretical foundations and basic techniques. Part 2. *Fundamenta Informaticae*, 69(1–2):??, January 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chin:2006:RCE

- [606] Wei-Ngan Chin, Siau-Cheng Khoo, and Neil Jones. Redundant call elimination via tupling. *Fundamenta Informaticae*, 69(1–2):1–37, January 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hamilton:2006:HOD

- [607] Geoff W. Hamilton. Higher order deforestation. *Fundamenta Informaticae*, 69(1–2):39–61, January 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Johann:2006:ISF

- [608] Patricia Johann and Janis Voigtländer. The impact of seq on free theorems-based program transformations. *Fundamenta Informaticae*, 69(1–2):63–102, January 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chen:2006:ITP

- [609] Chiyan Chen, Rui Shi, and Hongwei Xi. Implementing typeful program transformations. *Fundamenta Informaticae*, 69(1–2):103–121, January 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bravenboer:2006:PTS

- [610] Martin Bravenboer, Arthur van Dam, Karina Olmos, and Eelco Visser. Program transformation with scoped dynamic rewrite rules. *Fundamenta Informaticae*, 69(1–2):123–178, January 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

King:2006:CGP

- [611] Andy King and Jonathan C. Martin. Control generation by program transformation. *Fundamenta Informaticae*, 69(1–2):179–218, January 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Rosenblueth:2006:MCF

- [612] David A. Rosenblueth. A multiple-clause folding rule using instantiation and generalization. *Fundamenta Informaticae*, 69(1–2):219–249, January 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bandini:2006:SAD

- [613] Stefania Bandini, Giancarlo Mauri, and Giuseppe Vizzari. Supporting action-at-a-distance in situated cellular agents. *Fundamenta Informaticae*, 69(3):251–271, February 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dereniowski:2006:EPQ

- [614] Dariusz Dereniowski and Marek Kubale. Efficient parallel query processing by graph ranking. *Fundamenta Informaticae*, 69(3):273–285, February 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gerla:2006:SMA

- [615] B. Gerla and I. Leuştean. Similarity MV-algebras. *Fundamenta Informaticae*, 69(3):287–300, February 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kaminski:2006:REL

- [616] Michael Kaminski and Tony Tan. Regular expressions for languages over infinite alphabets. *Fundamenta Informaticae*, 69(3):301–318, February 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wang:2006:IRS

- [617] Ching-Lin Wang, Ren-Hung Hwang, Yung-Kuan Chan, Chih-Ya Chen, and Chuan-Chung Cheng. An image retrieval system based on the color, areas, and perimeters of objects. *Fundamenta Informaticae*, 69(3):319–330, February 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Liu:2006:ARS

- [618] Gui-Long Liu. The axiomatization of the rough set upper approximation operations. *Fundamenta Informaticae*, 69(3):331–342, February 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Suraj:2006:NMP

- [619] Zbigniew Suraj and Pawel Delimata. On k -NN method with preprocessing. *Fundamenta Informaticae*, 69(3):343–358, February 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ciucci:2006:ARS

- [620] Davide Ciucci. On the axioms of residuated structures: Independence, dependencies and rough approximations. *Fundamenta Informaticae*, 69(4):359–387, March 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Esposito:2006:MOR

- [621] Floriana Esposito, Nicola Fanizzi, Stefano Ferilli, Teresa M. A. Basile, and Nicola Di Mauro. Multistrategy operators for relational learning and their cooperation. *Fundamenta Informaticae*, 69(4):389–409, March 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pomykala:2006:ECB

- [622] Jacek Pomykala and Slawomir Barabasz. Elliptic curve based threshold proxy signature scheme with known signers. *Fundamenta Informaticae*, 69(4):411–425, March 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic). See security analysis [945].

Xia:2006:MMR

- [623] Lirong Xia and Sanjiang Li. On minimal models of the region connection calculus. *Fundamenta Informaticae*, 69(4):427–446, March 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Janicki:2006:SIA

- [624] Ryszard Janicki. Special issue on application of concurrency to system design. *Fundamenta Informaticae*, 70(1–2):??, April 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bjorklund:2006:RBE

- [625] Dag Björklund and Johan Lilius. Rialto to B: An exercise in formal development of a language for multiple models of computation. *Funda-*

menta Informaticae, 70(1–2):1–20, April 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kapoor:2006:VID

- [626] Hemangee K. Kapoor, Mark B. Josephs, and Dennis P. Furey. Verification and implementation of delay-insensitive processes in restrictive environments. *Fundamenta Informaticae*, 70(1–2):21–48, April 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Khomenko:2006:LSA

- [627] Victor Khomenko, Maciej Koutny, and Alex Yakovlev. Logic synthesis for asynchronous circuits based on STG unfoldings and incremental SAT. *Fundamenta Informaticae*, 70(1–2):49–73, April 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lawford:2006:TIV

- [628] Mark Lawford, Vera Pantelic, and Hong Zhang. Towards integrated verification of timed transition models. *Fundamenta Informaticae*, 70(1–2):75–110, April 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Seppi:2006:GMC

- [629] Kevin Seppi, Michael Jones, and Peter Lamborn. Guided model checking with a Bayesian meta-heuristic. *Fundamenta Informaticae*, 70(1–2):111–126, April 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tauriainen:2006:NES

- [630] Heikki Tauriainen. Nested emptiness search for generalized Büchi automata. *Fundamenta Informaticae*, 70(1–2):127–154, April 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Xia:2006:BAC

- [631] Fei Xia, Fei Hao, Ian Clark, Alex Yakovlev, and E. Graeme Chester. Buffered asynchronous communication mechanisms. *Fundamenta Informaticae*, 70(1–2):155–170, April 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chang:2006:SDI

- [632] Chin-Chen Chang, Jun-Chou Chuang, and Yu-Chen Hu. Spatial domain image hiding scheme using pixel-values differencing. *Fundamenta Informaticae*, 70(3):171–184, May 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chang:2006:PHS

- [633] Chin-Chen Chang, Chih-Yang Lin, and Henry Chou. Perfect hashing schemes for mining traversal patterns. *Fundamenta Informaticae*, 70(3): 185–202, May 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Devillers:2006:PNS

- [634] Raymond Devillers, Hanna Klaudel, and Maciej Koutny. Petri net semantics of the finite π -calculus terms. *Fundamenta Informaticae*, 70(3): 203–226, May 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gasquet:2006:ICM

- [635] Olivier Gasquet. On the influence of confluence in modal logics. *Fundamenta Informaticae*, 70(3):227–250, May 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hu:2006:ITS

- [636] Yu-Chen Hu and Chin-Chen Chang. An improved tree-structured codebook search algorithm for grayscale image compression. *Fundamenta Informaticae*, 70(3):251–260, May 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jaworski:2006:BV

- [637] Wojciech Jaworski. Bounds for validation. *Fundamenta Informaticae*, 70(3):261–275, May 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sali:2006:CFK

- [638] Attila Sali and Klaus-Dieter Schewe. Counter-free keys and functional dependencies in higher-order datamodels. *Fundamenta Informaticae*, 70(3):277–301, May 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Berghammer:2006:ECM

- [639] Rudolf Berghammer and Alexander Fronk. Exact computation of minimum feedback vertex sets with relational algebra. *Fundamenta Informaticae*, 70(4):301–316, June 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hu:2006:NCI

- [640] Yu-Chen Hu, Min-Hui Lin, and Ji-Han Jiang. A novel color image hiding scheme using block truncation coding. *Fundamenta Informaticae*, 70(4): 317–331, June 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mani:2006:ASL

- [641] A. Mani. Di-algebraic semantics of logics. *Fundamenta Informaticae*, 70 (4):333–350, June 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nguyen:2006:NOH

- [642] Linh Anh Nguyen. Negative ordered hyper-resolution as a proof procedure for disjunctive logic programming. *Fundamenta Informaticae*, 70 (4):351–366, June 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pestov:2006:ISS

- [643] Vladimir Pestov and Aleksandar Stojmirović. Indexing schemes for similarity search: an illustrated paradigm. *Fundamenta Informaticae*, 70 (4):367–385, June 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Yen:2006:DAS

- [644] Hsu-Chun Yen and Lien-Po Yu. Decidability analysis of self-stabilization for infinite-state systems. *Fundamenta Informaticae*, 70(4):387–402, June 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2006:P

- [645] Anonymous. Preface. *Fundamenta Informaticae*, 71(1):??, July 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Flasinski:2006:AFS

- [646] Mariusz Flasiński and Janusz Jurek. On the analysis of fuzzy string patterns with the help of extended and stochastic GDPLL(k) grammars. *Fundamenta Informaticae*, 71(1):1–14, July 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Grochowski:2006:APS

- [647] Marek Grochowski, Robert Schaefer, and Maciej Smolka. Architectural principles and scheduling strategies for computing agent systems. *Funda-*

menta Informaticae, 71(1):15–26, July 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kozlak:2006:MAA

- [648] Jarosław Kozlak, Jean-Charles Créput, Vincent Hilaire, and Abder Koukam. Multi-agent approach to dynamic pick-up and delivery problem with uncertain knowledge about future transport demands. *Fundamenta Informaticae*, 71(1):27–36, July 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nawarecki:2006:ADC

- [649] Edward Nawarecki, Marek Kisiel-Dorohinicki, and Grzegorz Dobrowolski. Architecture for discovery of crises in MAS. *Fundamenta Informaticae*, 71(1):37–47, July 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Polkowski:2006:STR

- [650] Lech Polkowski. A set theory for rough sets. Toward a formal calculus of vague statements. *Fundamenta Informaticae*, 71(1):49–61, July 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Stefanowski:2006:ESU

- [651] Jerzy Stefanowski. An empirical study of using rule induction and rough sets to software cost estimation. *Fundamenta Informaticae*, 71(1):63–82, July 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Suraj:2006:TAP

- [652] Zbigniew Suraj and Barbara Fryc. Timed approximate Petri nets. *Fundamenta Informaticae*, 71(1):83–99, July 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Suraj:2006:PNS

- [653] Zbigniew Suraj, Barbara Fryc, Zofia Matusiewicz, and Krzysztof Pancierz. A Petri net system — an overview. *Fundamenta Informaticae*, 71(1):101–120, July 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Suraj:2006:RCS

- [654] Zbigniew Suraj and Krzysztof Pancierz. Reconstruction of concurrent system models described by decomposed data tables. *Fundamenta Informaticae*, 71(1):121–137, July 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Banerjee:2006:LRT

- [655] Mohua Banerjee. Logic for rough truth. *Fundamenta Informaticae*, 71(2–3):139–151, August 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bergstra:2006:TAM

- [656] J. A. Bergstra and C. A. Middelburg. Thread algebra with multi-level strategies. *Fundamenta Informaticae*, 71(2–3):153–182, August 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Calimeri:2006:POD

- [657] Francesco Calimeri, Wolfgang Faber, Gerald Pfeifer, and Nicola Leone. Pruning operators for disjunctive logic programming systems. *Fundamenta Informaticae*, 71(2–3):183–214, August 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chang:2006:NIC

- [658] Chin-Chen Chang, Guei-Mei Chen, and Yu-Chen Hu. A novel index coding scheme for vector quantization. *Fundamenta Informaticae*, 71(2–3):215–227, August 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Czyzowicz:2006:CSB

- [659] Jurek Czyzowicz, Dariusz Kowalski, Euripides Markou, and Andrzej Pelc. Complexity of searching for a black hole. *Fundamenta Informaticae*, 71(2–3):229–242, August 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

vanHee:2006:RCW

- [660] Kees van Hee, Natalia Sidorova, and Marc Voorhoeve. Resource-constrained workflow nets. *Fundamenta Informaticae*, 71(2–3):243–257, August 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Iliopoulos:2006:WST

- [661] Costas S. Iliopoulos, Christos Makris, Yannis Panagis, Katerina Perdikuri, Evangelos Theodoridis, and Athanasios Tsakalidis. The weighted suffix tree: An efficient data structure for handling molecular weighted sequences and its applications. *Fundamenta Informaticae*, 71(2–3):259–277, August 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ionescu:2006:SNS

- [662] Mihai Ionescu, Gheorghe Păun, and Takashi Yokomori. Spiking neural P systems. *Fundamenta Informaticae*, 71(2–3):279–308, August 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

DeLoof:2006:ELI

- [663] Karel De Loof, Hans De Meyer, and Bernard De Baets. Exploiting the lattice of ideals representation of a poset. *Fundamenta Informaticae*, 71(2–3):309–321, August 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Peters:2006:RLA

- [664] James F. Peters and Christopher Henry. Reinforcement learning with approximation spaces. *Fundamenta Informaticae*, 71(2–3):323–349, August 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wu:2006:RCB

- [665] Ming-Ni Wu, Chia-Chen Lin, and Chin-Chen Chang. A robust content-based copy detection scheme. *Fundamenta Informaticae*, 71(2–3):351–366, August 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chaitin:2006:PPS

- [666] Gregory Chaitin. Probability and program-size for functions. *Fundamenta Informaticae*, 71(4):367–370, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Christiansen:2006:SDI

- [667] Henning Christiansen and Davide Martinenghi. On simplification of database integrity constraints. *Fundamenta Informaticae*, 71(4):371–417, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kamide:2006:FPR

- [668] Norihiro Kamide. Foundations of paraconsistent resolution. *Fundamenta Informaticae*, 71(4):419–441, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lin:2006:NIO

- [669] Chia-Chen Lin, Yu Chen Hu, and Chin-Chen Chang. A novel image ownership protection scheme based on rehashing concept and vector quanti-

zation. *Fundamenta Informaticae*, 71(4):443–451, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kari:2006:FLA

- [670] L. Kari, E. Losseva, S. Konstantinidis, P. Sosík, and G. Thierrin. A formal language analysis of DNA hairpin structures. *Fundamenta Informaticae*, 71(4):453–475, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Winter:2006:PPO

- [671] Michael Winter. On problems in polymorphic object-oriented languages with self types and matching. *Fundamenta Informaticae*, 71(4):477–491, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zhong:2006:ESC

- [672] Sheng Zhong. An efficient and secure cryptosystem for encrypting long messages. *Fundamenta Informaticae*, 71(4):493–497, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2006:CSP

- [673] Anonymous. Concurrency specification and programming (CS&P). *Fundamenta Informaticae*, 72(1–3):??, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Andreeva:2006:OET

- [674] Maria V. Andreeva and Irina B. Virbitskaite. Observational equivalences for timed stable event structures. *Fundamenta Informaticae*, 72(1–3):1–19, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Barbuti:2006:CLS

- [675] Roberto Barbuti, Andrea Maggiolo-Schettini, Paolo Milazzo, and Angelo Troina. A calculus of looping sequences for modelling microbiological systems. *Fundamenta Informaticae*, 72(1–3):21–35, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bazan:2006:BPI

- [676] Jan G. Bazan. Behavioral pattern identification through rough set modeling. *Fundamenta Informaticae*, 72(1–3):37–50, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bednarczyk:2006:EVT

- [677] Marek A. Bednarczyk, Wojciech Jamroga, and Wiesław Pawłowski. Expressing and verifying temporal and structural properties of mobile agents. *Fundamenta Informaticae*, 72(1–3):51–63, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chrzastowski-Wachtel:2006:DSM

- [678] Piotr Chrzastowski-Wachtel. Determining sound markings in structured nets. *Fundamenta Informaticae*, 72(1–3):65–79, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Czaja:2006:EMP

- [679] Ludwik Czaja. Equations for message passing. *Fundamenta Informaticae*, 72(1–3):81–93, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Doroshenko:2006:RFR

- [680] Anatoliy Doroshenko and Ruslan Shevchenko. A rewriting framework for rule-based programming dynamic applications. *Fundamenta Informaticae*, 72(1–3):95–108, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Farwer:2006:MGL

- [681] Berndt Farwer and Michael Köhler. Modelling global and local name spaces for mobile agents using object nets. *Fundamenta Informaticae*, 72(1–3):109–122, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Farwer:2006:SCD

- [682] Berndt Farwer and Mauricio Varea. Separation of control and data flow in high-level Petri nets: Transforming dual flow nets into object Petri nets. *Fundamenta Informaticae*, 72(1–3):123–137, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gomolińska:2006:PRI

- [683] Anna Gomolińska. Possible rough ingredients of concepts in approximation spaces. *Fundamenta Informaticae*, 72(1–3):139–154, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Grabowski:2006:DBS

- [684] Franciszek Grabowski and Dominik Strzalka. Dynamic behavior of simple insertion sort algorithm. *Fundamenta Informaticae*, 72(1–3):155–165, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gruska:2006:NIF

- [685] Damas P. Gruska. Network information flow. *Fundamenta Informaticae*, 72(1–3):167–180, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Janowska:2006:STA

- [686] Agata Janowska and Paweł Janowski. Slicing of timed automata with discrete data. *Fundamenta Informaticae*, 72(1–3):181–195, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kacprzak:2006:SCR

- [687] Magdalena Kacprzak. A strong completeness result for a MAS logic. *Fundamenta Informaticae*, 72(1–3):197–213, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kacprzak:2006:CBS

- [688] Magdalena Kacprzak, Alessio Lomuscio, Artur Niewiadomski, Wojciech Penczek, Franco Raimondi, and Maciej Szreter. Comparing BDD and SAT based techniques for model checking Chaum’s dining cryptographers protocol. *Fundamenta Informaticae*, 72(1–3):215–234, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Klunder:2006:SCF

- [689] Barbara Klunder. Star-connected flat languages and automata. *Fundamenta Informaticae*, 72(1–3):235–243, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kohler:2006:PSD

- [690] Michael Köhler and Heiko Rölke. Properties of super-dual nets. *Fundamenta Informaticae*, 72(1–3):245–254, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kudlek:2006:QVA

- [691] Manfred Kudlek. On quantum vector addition systems. *Fundamenta Informaticae*, 72(1–3):255–261, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kurkowski:2006:QFF

- [692] Mirosław Kurkowski and Marian Srebrny. A quantifier-free first-order knowledge logic of authentication. *Fundamenta Informaticae*, 72(1–3):263–282, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nowak:2006:OSR

- [693] Agnieszka Nowak, Alicja Wakulicz-Deja, and Sebastian Bachliński. Optimization of speech recognition by clustering of phones. *Fundamenta Informaticae*, 72(1–3):283–293, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nguyen:2006:LSC

- [694] Trung Thanh Nguyen, Claire P. Willis, Derek J. Paddon, Sinh Hoa Nguyen, and Hung Son Nguyen. Learning sunspot classification. *Fundamenta Informaticae*, 72(1–3):295–309, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ochmanski:2006:TNC

- [695] Edward Ochmański and Joanna Pieckowska. Trace nets and conflict-free computations. *Fundamenta Informaticae*, 72(1–3):311–321, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ochmanski:2006:SFS

- [696] Edward Ochmański and Krystyna Stawikowska. Star-free star and trace languages. *Fundamenta Informaticae*, 72(1–3):323–331, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Redziejowski:2006:AOP

- [697] Roman R. Redziejowski. Associative Omega-product of processes. *Fundamenta Informaticae*, 72(1–3):333–345, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Shilov:2006:UAM

- [698] N. V. Shilov, N. O. Garanina, and K.-M. Choe. Update and abstraction in model checking of knowledge and branching time. *Fundamenta Informaticae*, 72(1–3):347–361, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Skowron:2006:CAS

- [699] Andrzej Skowron, Jarosław Stepaniuk, James Peters, and Roman Swiniarski. Calculi of approximation spaces. *Fundamenta Informaticae*, 72(1–3):363–378, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Stefanowski:2006:RSH

- [700] Jerzy Stefanowski and Szymon Wilk. Rough sets for handling imbalanced data: Combining filtering and rule-based classifiers. *Fundamenta Informaticae*, 72(1–3):379–391, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Suraj:2006:RSA

- [701] Zbigniew Suraj, Neamat El Gayar, and Pawel Delimata. A rough set approach to multiple classifier systems. *Fundamenta Informaticae*, 72(1–3):393–406, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Winkowski:2006:ACA

- [702] Józef Winkowski. An axiomatic characterization of algebras of processes of Petri nets. *Fundamenta Informaticae*, 72(1–3):407–420, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wolski:2006:COC

- [703] Marcin Wolski. Complete orders, categories and lattices of approximations. *Fundamenta Informaticae*, 72(1–3):421–435, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Collings:2006:SPV

- [704] Simon Collings, Ryszard Kozera, and Lyle Noakes. Surface properties from N -views of a strictly convex solid. *Fundamenta Informaticae*, 72(4):437–452, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fredriksson:2006:LAS

- [705] Kimmo Fredriksson. On-line approximate string matching in natural language. *Fundamenta Informaticae*, 72(4):453–466, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic). URL <http://content.iospress.com/articles/fundamenta-informaticae/fi72-4-02>; <http://www.cs.uku.fi/~fredriks/pub/papers/fi06.pdf>.

Paun:2006:SPM

- [706] Andrei Păun and Bianca Popa. *P* systems with proteins on membranes. *Fundamenta Informaticae*, 72(4):467–483, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Potikas:2006:VPT

- [707] Petros Potikas, Panos Rondogiannis, and Manolis Gergatsoulis. A value-propagating transformation technique for Datalog programs based on non-deterministic constructs. *Fundamenta Informaticae*, 72(4):485–527, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Shen:2006:MBF

- [708] Haifeng Shen, Qunxia Li, Jun Guo, and Gang Liu. Model-based feature compensation for robust speech recognition. *Fundamenta Informaticae*, 72(4):529–539, September 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2006:TLT

- [709] Anonymous. Trajectories of language theory. *Fundamenta Informaticae*, 73(1–2):??, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Calude:2006:ARN

- [710] Cristian S. Calude, Cezar Câmpeanu, and Monica Dumitrescu. Automata recognizing no words: A statistical approach. *Fundamenta Informaticae*, 73(1–2):1–18, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ceterchi:2006:ACS

- [711] Rodica Ceterchi. An algebraic characterization of semi-simple splicing. *Fundamenta Informaticae*, 73(1–2):19–25, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ciobanu:2006:BCS

- [712] Gabriel Ciobanu, Gheorghe Păun, and Mario J. Pérez-Jiménez. On the branching complexity of *P* systems. *Fundamenta Informaticae*, 73(1–2):27–36, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Csuhaj-Varju:2006:CBC

- [713] Erzsébet Csuhaj-Varjú and Alexandru Mateescu. On a connection between cooperating distributed grammar systems and basic process algebra. *Fundamenta Informaticae*, 73(1–2):37–50, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ding:2006:SSS

- [714] Cunsheng Ding and Arto Salomaa. Secret sharing schemes with nice access structures. *Fundamenta Informaticae*, 73(1–2):51–63, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ding:2006:SPM

- [715] Cunsheng Ding and Arto Salomaa. On some problems of mateescu concerning subword occurrences. *Fundamenta Informaticae*, 73(1–2):65–79, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Domaratzki:2006:IT

- [716] Michael Domaratzki, Grzegorz Rozenberg, and Kai Salomaa. Interpreted trajectories. *Fundamenta Informaticae*, 73(1–2):81–97, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Droste:2006:OSP

- [717] Manfred Droste, Jarkko Kari, and Paula Steinby. Observations on the smoothness properties of real functions computed by weighted finite automata. *Fundamenta Informaticae*, 73(1–2):99–106, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dumitrescu:2006:FAD

- [718] Sorina Dumitrescu. Faster algorithm for designing optimal prefix-free codes with unequal letter costs. *Fundamenta Informaticae*, 73(1–2):107–117, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Halava:2006:URL

- [719] Vesa Halava, Tero Harju, and Juhani Karhumäki. Undecidability in ω -regular languages. *Fundamenta Informaticae*, 73(1–2):119–125, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Honkala:2006:PWI

- [720] Juha Honkala. On the problem whether the image of an N -rational series equals. *Fundamenta Informaticae*, 73(1–2):127–132, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ibarra:2006:CPD

- [721] Oscar H. Ibarra, Sara Woodworth, Hsu-Chun Yen, and Zhe Dang. On the computational power of 1-deterministic and sequential P systems. *Fundamenta Informaticae*, 73(1–2):133–152, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ilie:2006:SCS

- [722] Lucian Ilie and Cristian Popescu. The shortest common superstring problem and viral genome compression. *Fundamenta Informaticae*, 73(1–2):153–164, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kari:2006:BST

- [723] Lila Kari and Elena Losseva. Block substitutions and their properties. *Fundamenta Informaticae*, 73(1–2):165–178, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Langille:2006:SGA

- [724] Miika Langille and Ion Petre. Simple gene assembly is deterministic. *Fundamenta Informaticae*, 73(1–2):179–190, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Manea:2006:SSB

- [725] Florin Manea, Victor Mitrană, and Daniel-Claudian Voinescu. Synchronized shuffle on backbones. *Fundamenta Informaticae*, 73(1–2):191–202, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Marcus:2006:MCS

- [726] Solomon Marcus. Mild context-sensitivity, after twenty years. *Fundamenta Informaticae*, 73(1–2):203–204, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mateescu:2006:RPM

- [727] Alexandru Mateescu and Rudolf Freund. Routes and products of monoids. *Fundamenta Informaticae*, 73(1–2):205–211, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Paun:2006:MCE

- [728] Gheorghe Păun and Radu Păun. Membrane computing and economics: Numerical P systems. *Fundamenta Informaticae*, 73(1–2):213–227, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Paz:2006:PIR

- [729] Azaria Paz. A property of independency relations induced by probabilistic distributions with binary variables. *Fundamenta Informaticae*, 73(1–2):229–236, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Santean:2006:NBR

- [730] Nicolae Santean and Sheng Yu. Nondeterministic bimachines and rational relations with finite codomain. *Fundamenta Informaticae*, 73(1–2):237–264, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Serbanuta:2006:IPM

- [731] Virgil Nicolae Șerbănuță and Traian Florin Șerbănuță. Injectivity of the Parikh matrix mappings revisited. *Fundamenta Informaticae*, 73(1–2):265–283, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Stefanescu:2006:ISR

- [732] Gheorghe Stefanescu. Interactive systems with registers and voices. *Fundamenta Informaticae*, 73(1–2):285–305, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Vaida:2006:NSO

- [733] Dragoș Vaida. Note on some order properties related to processes semantics (i). *Fundamenta Informaticae*, 73(1–2):307–319, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Analyti:2006:LPR

- [734] Anastasia Analyti and Ioannis Pachoulakis. Logic programming representation of the compound term composition algebra. *Fundamenta Informaticae*, 73(3):321–360, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dinu:2006:LCD

- [735] Liviu P. Dinu and Andrea Sgarro. A low-complexity distance for DNA strings. *Fundamenta Informaticae*, 73(3):361–372, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hu:2006:MIE

- [736] Yu-Chen Hu. Multiple images embedding scheme based on moment preserving block truncation coding. *Fundamenta Informaticae*, 73(3):373–387, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Liu:2006:AMP

- [737] Weiru Liu, Guilin Qi, and David A. Bell. Adaptive merging of prioritized knowledge bases. *Fundamenta Informaticae*, 73(3):389–407, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pinna:2006:ESD

- [738] G. Michele Pinna. Event structures with disabling/enabling relation and event automata. *Fundamenta Informaticae*, 73(3):409–430, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Brogi:2006:FCL

- [739] Antonio Brogi, Jean-Marie Jacquet, and Joost Kok. Foundations on coordination languages and software architectures. *Fundamenta Informaticae*, 73(4):??, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Brogi:2006:FAS

- [740] Antonio Brogi, Jean-Marie Jacquet, and Isabelle Linden. Fully abstract semantics for a coordination model with asynchronous communication and enhanced matching. *Fundamenta Informaticae*, 73(4):431–478, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gorrieri:2006:SSC

- [741] Roberto Gorrieri, Roberto Lucchi, and Gianluigi Zavattaro. Supporting secure coordination in SecSpaces. *Fundamenta Informaticae*, 73(4):479–506, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Viroli:2006:CS

- [742] Mirko Viroli and Andrea Omicini. Coordination as a service. *Fundamenta Informaticae*, 73(4):507–534, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Orzan:2006:DSS

- [743] Simona Orzan and Jaco van de Pol. Distribution of a simple shared dataspace architecture. *Fundamenta Informaticae*, 73(4):535–559, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Guillen-Scholten:2006:CCM

- [744] Juan Guillen-Scholten, Farhad Arbab, Frank de Boer, and Marcello Bonsangue. A component coordination model based on mobile channels. *Fundamenta Informaticae*, 73(4):561–582, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Vallecillo:2006:TBS

- [745] Antonio Vallecillo, Vasco T. Vasconcelos, and António Ravara. Typing the behavior of software components using session types. *Fundamenta Informaticae*, 73(4):583–598, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Engels:2006:SIS

- [746] Gregor Engels, Fernando Orejas, and Francesco Parisi-Presicce. Special issue with selected papers from ICGT 2004. *Fundamenta Informaticae*, 74(1):??, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ehrig:2006:AHL

- [747] Hartmut Ehrig, Julia Padberg, Ulrike Prange, and Annegret Habel. Adhesive high-level replacement systems: A new categorical framework for graph transformation. *Fundamenta Informaticae*, 74(1):1–29, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ehrig:2006:FTT

- [748] Hartmut Ehrig, Karsten Ehrig, Ulrike Prange, and Gabriele Taentzer. Fundamental theory for typed attributed graphs and graph transformation based on adhesive HLR categories. *Fundamenta Informaticae*, 74(1):31–61, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Heckel:2006:SGT

- [749] Reiko Heckel, Georgios Lajios, and Sebastian Menge. Stochastic graph transformation systems. *Fundamenta Informaticae*, 74(1):63–84, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chalopin:2006:LCG

- [750] Jérémie Chalopin, Yves Métivier, and Wiesław Zielonka. Local computations in graphs: The case of cellular edge local computations. *Fundamenta Informaticae*, 74(1):85–114, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ehrenfeucht:2006:EPS

- [751] Andrzej Ehrenfeucht, Jurriaan Hage, Tero Harju, and Grzegorz Rozenberg. The embedding problem for switching classes of graphs. *Fundamenta Informaticae*, 74(1):115–134, October 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ehrig:2006:TCA

- [752] Hartmut Ehrig, Karsten Ehrig, Annegret Habel, and Karl-Heinz Penne-
mann. Theory of constraints and application conditions: From graphs
to high-level structures. *Fundamenta Informaticae*, 74(1):135–166, October
2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (elec-
tronic).

Bednarczyk:2006:LM

- [753] Marek A. Bednarczyk. Limits of modularity. *Fundamenta Informaticae*,
74(2–3):167–187, November 2006. CODEN FUMAAJ. ISSN 0169-2968
(print), 1875-8681 (electronic).

Chang:2006:RDE

- [754] Chin-Chen Chang and Chih-Yang Lin. Reversible data embedding based
on prediction approach for VQ and SMVQ compressed images. *Funda-
menta Informaticae*, 74(2–3):189–207, November 2006. CODEN FU-
MAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dimov:2006:CARa

- [755] Georgi Dimov and Dimiter Vakarelov. Contact algebras and region-based
theory of space: a proximity approach — I. *Fundamenta Informaticae*,
74(2–3):209–249, November 2006. CODEN FUMAAJ. ISSN 0169-2968
(print), 1875-8681 (electronic).

Dimov:2006:CARb

- [756] Georgi Dimov and Dimiter Vakarelov. Contact algebras and region-based theory of space: Proximity approach — II. *Fundamenta Informaticae*, 74(2–3):251–282, November 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Duntsch:2006:RRA

- [757] Ivo Düntsch and Michael Winter. Rough relation algebras revisited. *Fundamenta Informaticae*, 74(2–3):283–300, November 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hitzler:2006:CVA

- [758] Pascal Hitzler, Markus Krötzsch, and Guo-Qiang Zhang. A categorical view on algebraic lattices in formal concept analysis. *Fundamenta Informaticae*, 74(2–3):301–328, November 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kalyanasundaram:2006:CTM

- [759] Bala Kalyanasundaram and Mahe Velauthapillai. Capabilities of thoughtful machines. *Fundamenta Informaticae*, 74(2–3):329–340, November 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nadarajah:2006:LCL

- [760] Saralees Nadarajah and Samuel Kotz. The linear combination of logistic and Gumbel random variables. *Fundamenta Informaticae*, 74(2–3):341–350, November 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Shah:2006:PSI

- [761] Mohak Shah, Marina Sokolova, and Stan Szpakowicz. Process-specific information for learning electronic negotiation outcomes. *Fundamenta Informaticae*, 74(2–3):351–373, November 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Szpyrka:2006:ARN

- [762] Marcin Szpyrka. Analysis of RTCP-nets with reachability graphs. *Fundamenta Informaticae*, 74(2–3):375–390, November 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Margenstern:2006:MCU

- [763] Maurice Margenstern. Machines, computations and universality. *Fundamenta Informaticae*, 74(4):??, December 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Alhazov:2006:TSU

- [764] Artiom Alhazov, Rudolf Freund, Alberto Leporati, Marion Oswald, and Claudio Zandron. (tissue) P systems with unit rules and energy assigned to membranes. *Fundamenta Informaticae*, 74(4):391–408, December 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bournez:2006:RAC

- [765] Olivier Bournez and Emmanuel Hainry. Recursive analysis characterized as a class of real recursive functions. *Fundamenta Informaticae*, 74(4):409–433, December 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Burderi:2006:HTD

- [766] Fabio Burderi, Giuseppa Castiglione, and Antonio Restivo. Higman's theorem on discrete sets. *Fundamenta Informaticae*, 74(4):435–446, December 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cavaliere:2006:OSR

- [767] Matteo Cavaliere, Peter, and Leupold. Observation of string-rewriting systems. *Fundamenta Informaticae*, 74(4):447–462, December 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Delvenne:2006:DUS

- [768] Jean-Charles Delvenne, Petr Kůrka, and Vincent Blondel. Decidability and universality in symbolic dynamical systems. *Fundamenta Informaticae*, 74(4):463–490, December 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Durand-Lose:2006:AGC

- [769] Jérôme Durand-Lose. Abstract geometrical computation 1: Embedding black hole computations with rational numbers. *Fundamenta Informaticae*, 74(4):491–510, December 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Holzer:2006:VCS

- [770] Markus Holzer and Martin Kutrib. Variable complexity of simple programs. *Fundamenta Informaticae*, 74(4):511–528, December 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Leporati:2006:RSS

- [771] Alberto Leporati, Claudio Zandron, and Giancarlo Mauri. Reversible P systems to simulate Fredkin circuits. *Fundamenta Informaticae*, 74(4):529–548, December 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Neraud:2006:CCS

- [772] Jean Néraud. On the completion of codes in submonoids with finite rank. *Fundamenta Informaticae*, 74(4):549–562, December 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Okhotin:2006:CUO

- [773] Alexander Okhotin. Computational universality in one-variable language equations. *Fundamenta Informaticae*, 74(4):563–578, December 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Schott:2006:SWA

- [774] René Schott and Jean-Claude Spehner. Shuffle of words and *Araucaria* trees. *Fundamenta Informaticae*, 74(4):579–601, December 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic). See erratum [977].

Umeo:2006:SEM

- [775] Hiroshi Umeo, Masashi Maeda, Masaya Hisaoka, and Masato Teraoka. A state-efficient mapping scheme for designing two-dimensional firing squad synchronization algorithms. *Fundamenta Informaticae*, 74(4):603–623, December 2006. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2007:MPZ

- [776] Anonymous. In memory of Professor Zdzisław Pawlak. *Fundamenta Informaticae*, 75(1–4):??, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Peters:2007:LWZ

- [777] J. F. Peters and A. Skowron. Life and work of Zdzisław Pawlak. *Fundamenta Informaticae*, 75(1–4):??, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Balbani:2007:ALA

- [778] Philippe Balbani, Dimiter, and Vakarelov. Arrow logic with arbitrary intersections: Applications to Pawlak’s information systems. *Fundamenta Informaticae*, 75(1–4):1–25, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bazan:2007:RSA

- [779] Jan G. Bazan, Piotr Kruczek, Stanisława Bazan-Socha, Andrzej Skowron, and Jacek J. Pietrzyk. Rough set approach to behavioral pattern identification. *Fundamenta Informaticae*, 75(1–4):27–47, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bernardini:2007:MBS

- [780] Francesco Bernardini, Robert Brijder, Grzegorz Rozenberg, and Claudio Zandron. Multiset-based self-assembly of graphs. *Fundamenta Informaticae*, 75(1–4):49–75, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bianucci:2007:ECE

- [781] Daniela Bianucci, Gianpiero Cattaneo, and Davide Ciucci. Entropies and co-entropies of coverings with application to incomplete information systems. *Fundamenta Informaticae*, 75(1–4):77–105, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Buszkowski:2007:RSL

- [782] Wojciech Buszkowski. Rough sets and learning by unification. *Fundamenta Informaticae*, 75(1–4):107–121, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chakraborty:2007:RDI

- [783] Mihir K. Chakraborty and Mohua Banerjee. Rough dialogue and implication lattices. *Fundamenta Informaticae*, 75(1–4):123–139, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chen:2007:SLG

- [784] Haiming Chen, Rudolf Freund, Mihai Ionescu, Gheorghe Păun, and Mario J. Pérez-Jiménez. On string languages generated by spiking neural P systems. *Fundamenta Informaticae*, 75(1–4):141–162, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Demri:2007:RNI

- [785] Stéphane Demri, Ewa, and Orłowska. Relative nondeterministic information logic is EXPTIME-complete. *Fundamenta Informaticae*, 75(1–4):163–178, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Doherty:2007:CFB

- [786] Patrick Doherty and Andrzej Szalas. A correspondence framework between three-valued logics and similarity-based approximate reasoning. *Fundamenta Informaticae*, 75(1–4):179–193, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dubois:2007:PTV

- [787] Didier Dubois, Florence Dupin de Saint-Cyr, and Henri Prade. A possibility-theoretic view of formal concept analysis. *Fundamenta Informaticae*, 75(1–4):195–213, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Duntsch:2007:MML

- [788] Ivo Düntsch and Beata Konikowska. A multi-modal logic for disagreement and exhaustiveness. *Fundamenta Informaticae*, 75(1–4):215–238, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dziubinski:2007:CIM

- [789] Marcin Dziubiński, Rineke Verbrugge, and Barbara Dunin-Kępicz. Complexity issues in multiagent logics. *Fundamenta Informaticae*, 75(1–4):239–262, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ehrenfeucht:2007:RS

- [790] A. Ehrenfeucht and G. Rozenberg. Reaction systems. *Fundamenta Informaticae*, 75(1–4):263–280, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gohring:2007:CWM

- [791] Daniel Göhring and Hans-Dieter Burkhard. Cooperative world modeling in dynamic multi-robot environments. *Fundamenta Informaticae*, 75(1–4):281–294, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Janicki:2007:TPM

- [792] Ryszard Janicki and Dai Tri Man Lê. Towards a pragmatic mereology. *Fundamenta Informaticae*, 75(1–4):295–314, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jarvinen:2007:PIS

- [793] Jouni Järvinen. Pawlak’s information systems in terms of Galois connections and functional dependencies. *Fundamenta Informaticae*, 75(1–4):315–330, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Marcus:2007:ZPP

- [794] Solomon Marcus. Z. Pawlak, a precursor of DNA computing and of picture grammars. *Fundamenta Informaticae*, 75(1–4):331–334, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mazurkiewicz:2007:LDG

- [795] Antoni Mazurkiewicz. Locally derivable graphs. *Fundamenta Informaticae*, 75(1–4):335–355, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moshkov:2007:CPR

- [796] Mikhail Ju. Moshkov, Marcin Piliszczyk, and Beata Zielosko. On construction of partial reducts and irreducible partial decision rules. *Fundamenta Informaticae*, 75(1–4):357–374, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Novotny:2007:RA

- [797] Miroslav Novotný. Retracts of algebras. *Fundamenta Informaticae*, 75(1–4):375–384, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ohsuga:2007:BGB

- [798] Setsuo Ohsuga. Bridging the gap between non-symbolic and symbolic processing — how could human being acquire language? *Fundamenta*

Informaticae, 75(1–4):385–406, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Peters:2007:NSS

- [799] James F. Peters. Near sets. Special theory about nearness of objects. *Fundamenta Informaticae*, 75(1–4):407–433, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Polkowski:2007:CAM

- [800] Lech Polkowski. Concept approximation in mathematics and computer science. An essay in homage to Zdzisław Pawlak. *Fundamenta Informaticae*, 75(1–4):435–451, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ramanna:2007:ACD

- [801] Sheela Ramanna, James F. Peters, and Andrzej Skowron. Approaches to conflict dynamics based on rough sets. *Fundamenta Informaticae*, 75(1–4):453–468, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Salomaa:2007:SBB

- [802] Arto Salomaa. Subword balance in binary words, languages and sequences. *Fundamenta Informaticae*, 75(1–4):469–482, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sen:2007:HTU

- [803] Debashis Sen and Sankar K. Pal. Histogram thresholding using beam theory and ambiguity measures. *Fundamenta Informaticae*, 75(1–4):483–504, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Skarbek:2007:GAB

- [804] Władysław Skarbek. On generating all binary trees. *Fundamenta Informaticae*, 75(1–4):505–536, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Winkowski:2007:BA

- [805] Józef Winkowski. Behaviour algebras. *Fundamenta Informaticae*, 75(1–4):537–560, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Busch:2007:OBA

- [806] J. Busch. On the optimality of the binary algorithm for the Jacobi symbol. *Fundamenta Informaticae*, 76(1–2):1–11, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chang:2007:TKA

- [807] Ya-Fen Chang and Chin-Chen Chang. Tolerant key assignment for enforcing complicated access control policies in a hierarchy. *Fundamenta Informaticae*, 76(1–2):13–23, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chang:2007:FSE

- [808] Chin-Chen Chang and Chang-Chu Chen. Full-searching-equivalent vector quantization using two-bounds triangle inequality. *Fundamenta Informaticae*, 76(1–2):25–37, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chang:2007:VCS

- [809] Chin-Chen Chang, Tzu-Chuen Lu, and Jun-Bin Ya. VQ codebook searching algorithm based on correlation property. *Fundamenta Informaticae*, 76(1–2):39–57, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chunlin:2007:PAG

- [810] Li Chunlin and Li Layuan. A pricing approach for grid resource scheduling with QoS guarantees. *Fundamenta Informaticae*, 76(1–2):59–73, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dey:2007:CPC

- [811] Sabyasachi Dey, Bhargab B. Bhattacharya, Malay K. Kundu, Arijit Bishnu, and Tinku Acharya. A co-processor for computing the Euler number of a binary image using divide-and-conquer strategy. *Fundamenta Informaticae*, 76(1–2):75–89, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Formenti:2007:ASS

- [812] Enrico Formenti, Benoît Masson, and Theophilos Pisokas. Advances in symmetric sandpiles. *Fundamenta Informaticae*, 76(1–2):91–112, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Han:2007:IRL

- [813] Yo-Sub Han, Kai Salomaa, and Derick Wood. Intercode regular languages. *Fundamenta Informaticae*, 76(1–2):113–128, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jarvinen:2007:MLO

- [814] Jouni Järvinen, Michiro Kondo, and Jari Kortelainen. Modal-like operators in Boolean lattices, Galois connections and fixed points. *Fundamenta Informaticae*, 76(1–2):129–145, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Paquet:2007:PSL

- [815] Ulrich Paquet and Andries P. Engelbrecht. Particle swarms for linearly constrained optimisation. *Fundamenta Informaticae*, 76(1–2):147–170, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Saha:2007:RSB

- [816] Suman Saha, C. A. Murthy, and Sankar K. Pal. Rough set based ensemble classifier for Web page classification. *Fundamenta Informaticae*, 76(1–2):171–187, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tarasyuk:2007:SPB

- [817] Igor V. Tarasyuk. Stochastic Petri box calculus with discrete time. *Fundamenta Informaticae*, 76(1–2):189–218, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2007:DGS

- [818] Anonymous. Developments in grammar systems: Preface. *Fundamenta Informaticae*, 76(3):??, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bel-Enguix:2007:DMM

- [819] Gemma Bel-Enguix and M. Dolores Jiménez-López. Dynamic meaning membrane systems: An application to the description of semantic change. *Fundamenta Informaticae*, 76(3):219–237, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bensch:2007:ASP

- [820] Suna Bensch and Henning Bordihn. Active symbols in pure systems. *Fundamenta Informaticae*, 76(3):239–254, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bordihn:2007:CDG

- [821] Henning Bordihn and Markus Holzer. Cooperating distributed grammar systems as models of distributed problem solving, revisited. *Fundamenta Informaticae*, 76(3):255–270, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Csuhaj-Varju:2007:GSV

- [822] Erzsébet Csuhaj-Varjú, Gheorghe Păun, and György Vaszil. Grammar systems versus membrane computing: The case of CD grammar systems. *Fundamenta Informaticae*, 76(3):271–292, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jurgen:2007:CDG

- [823] Jürgen and Dassow. On cooperating distributed grammar systems with competence based start and stop conditions. *Fundamenta Informaticae*, 76(3):293–304, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Freund:2007:MGS

- [824] Rudolf Freund and Marion Oswald. Modelling grammar systems by tissue P systems working in the sequential mode. *Fundamenta Informaticae*, 76(3):305–323, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Grando:2007:PCB

- [825] María Adela Grando and Victor Mitran. A possible connection between two theories: Grammar systems and concurrent programming. *Fundamenta Informaticae*, 76(3):325–336, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kelemen:2007:CB

- [826] Jozef Kelemen. On computing bodies. *Fundamenta Informaticae*, 76(3):337–347, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kelemenova:2007:MHE

- [827] Alica Kelemenová and Michal Tupý. Monocultures and homogeneous environment in eco-grammar systems. *Fundamenta Informaticae*, 76(3):349–365, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sebestyen:2007:MMR

- [828] Peter Sebestyén and Petr Sosík. Modelling multiple robots in space: An adaptive eco-grammar system. *Fundamenta Informaticae*, 76(3):367–381, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sunckel:2007:MCG

- [829] Bettina Sunckel. On metalinear CD grammar systems. *Fundamenta Informaticae*, 76(3):383–397, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chang:2007:SIH

- [830] Chin-Chen Chang, Chih-Yang Lin, and Chun-Sen Tseng. Secret image hiding and sharing based on the (t, n) -threshold. *Fundamenta Informaticae*, 76(4):399–411, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Konstantinidis:2007:FRR

- [831] Stavros Konstantinidis, Santean Nicolae, and Sheng Yu. Fuzzification of rational and recognizable sets. *Fundamenta Informaticae*, 76(4):413–447, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Peltier:2007:RCS

- [832] Nicolas Peltier. A resolution calculus with shared literals. *Fundamenta Informaticae*, 76(4):449–480, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wu:2007:IRM

- [833] Hsien-Chu Wu and Chin-Chen Chang. An image retrieval method based on color-complexity and spatial-histogram features. *Fundamenta Informaticae*, 76(4):481–493, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ziembinski:2007:ACB

- [834] Radosław Ziemiński. Algorithms for context based sequential pattern mining. *Fundamenta Informaticae*, 76(4):495–510, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2007:ASM

- [835] Anonymous. The abstract state machines method. *Fundamenta Informaticae*, 77(1-2):??, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Abrial:2007:RDI

- [836] Jean-Raymond Abrial and Stefan Hallerstede. Refinement, decomposition, and instantiation of discrete models: Application to Event-B. *Fundamenta Informaticae*, 77(1-2):1–28, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Banach:2007:RPB

- [837] Richard Banach, Czesław Jeske, Michael Poppleton, and Susan Stepney. Retrenching the purse: The balance enquiry quandary, and generalised and (1,1) forward refinements. *Fundamenta Informaticae*, 77(1-2):29–69, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Farahbod:2007:CEA

- [838] Roozbeh Farahbod, Vincenzo Gervasi, and Uwe Glässer. CoreASM: An extensible ASM execution engine. *Fundamenta Informaticae*, 77(1-2):71–103, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tang:2007:MCA

- [839] Calvin Kai Fan Tang and Eugenia Ternovska. Model checking abstract state machines with answer set programming. *Fundamenta Informaticae*, 77(1-2):105–141, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Graf:2007:TSM

- [840] Susanne Graf and Andreas Prinz. Time in state machines. *Fundamenta Informaticae*, 77(1-2):143–174, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Seshadhri:2007:RSB

- [841] Comandur Seshadhri, Anil Seth, and Somenath Biswas. RAM simulation of BGS model of abstract-state machines. *Fundamenta Informaticae*, 77(1–2):175–185, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Badouel:2007:ATG

- [842] Eric Badouel, Jules Chenou, and Goulven Guillou. An axiomatization of the token game based on Petri algebras. *Fundamenta Informaticae*, 77(3):187–215, July 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chang:2007:NIH

- [843] Chin-Chen Chang, Wei-Liang Tai, and Chia-Chen Lin. A novel image hiding scheme based on VQ and Hamming distance. *Fundamenta Informaticae*, 77(3):217–228, July 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Li:2007:AAC

- [844] Yancang Li and Wanqing Li. Adaptive ant colony optimization algorithm based on information entropy: Foundation and application. *Fundamenta Informaticae*, 77(3):229–242, July 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pechenizkiy:2007:FED

- [845] Mykola Pechenizkiy, Alexey Tsymbal, Seppo Puuronen, and David Patterson. Feature extraction for dynamic integration of classifiers. *Fundamenta Informaticae*, 77(3):243–275, July 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Porwik:2007:EAA

- [846] Piotr Porwik. Efficient algorithm of affine form searching for weakly specified Boolean function. *Fundamenta Informaticae*, 77(3):277–291, July 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2007:TLC

- [847] Anonymous. Typed lambda calculi and applications 2005, selected papers. *Fundamenta Informaticae*, 77(4):??, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Coquand:2007:CTC

- [848] Thierry Coquand. The completeness of typing for context-semantics. *Fundamenta Informaticae*, 77(4):293–301, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Felty:2007:TES

- [849] Amy P. Felty. Tutorial examples of the semantic approach to foundational proof-carrying code. *Fundamenta Informaticae*, 77(4):303–330, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hayashi:2007:CPA

- [850] Susumu Hayashi. Can proofs be animated by games? *Fundamenta Informaticae*, 77(4):331–343, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Abel:2007:UAE

- [851] Andreas Abel and Thierry Coquand. Untyped algorithmic equality for Martin-Löf’s logical framework with surjective pairs. *Fundamenta Informaticae*, 77(4):345–395, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ahmed:2007:LLL

- [852] Amal Ahmed, Matthew Fluet, and Greg Morrisett. L^3 : A linear language with locations. *Fundamenta Informaticae*, 77(4):397–449, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Damiani:2007:RIR

- [853] Ferruccio Damiani. Rank 2 intersection for recursive definitions. *Fundamenta Informaticae*, 77(4):451–488, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

David:2007:APS

- [854] René David and Karim Nour. Arithmetical proofs of strong normalization results for symmetric λ -calculi. *Fundamenta Informaticae*, 77(4):489–510, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Laird:2007:EAP

- [855] James D. Laird. On the expressiveness of affine programs with non-local control: The elimination of nesting in SPCF. *Fundamenta Informaticae*,

77(4):511–531, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2007:FSI

- [856] Anonymous. The fourth special issue on applications of concurrency to system design. *Fundamenta Informaticae*, 78(1):??, September 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Clariso:2007:VCS

- [857] Robert Clarisó and Jordi Cortadella. Verification of concurrent systems with parametric delays using octahedra. *Fundamenta Informaticae*, 78(1):1–33, September 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Geilen:2007:APP

- [858] Marc Geilen, Twan Basten, Bart Theelen, and Ralph Otten. An algebra of Pareto points. *Fundamenta Informaticae*, 78(1):35–74, September 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gorgonio:2007:ASA

- [859] Kyller Gorgônio, Jordi Cortadella, Fei Xia, and Alex Yakovlev. Automating synthesis of asynchronous communication mechanisms. *Fundamenta Informaticae*, 78(1):75–100, September 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Josephs:2007:CDI

- [860] Mark B. Josephs and Hemangee K. Kapoor. Controllable delay-insensitive processes. *Fundamenta Informaticae*, 78(1):101–130, September 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Potop-Butucaru:2007:CCA

- [861] Dumitru Potop-Butucaru and Benoît Caillaud. Correct-by-construction asynchronous implementation of modular synchronous specifications. *Fundamenta Informaticae*, 78(1):131–159, September 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Vogler:2007:IDS

- [862] W. Vogler and B. Kangsah. Improved decomposition of signal transition graphs. *Fundamenta Informaticae*, 78(1):161–197, September 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bolikowski:2007:NMP

- [863] Lukasz Bolikowski and Anna Gambin. New metrics for phylogenies. *Fundamenta Informaticae*, 78(2):199–216, October 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Breysse:2007:NAC

- [864] Olivia Breysse and Michel De Glas. A new approach to the concepts of boundary and contact: Toward an alternative to mereotopology. *Fundamenta Informaticae*, 78(2):217–238, October 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hu:2007:PGI

- [865] Yu-Chen Hu. Predictive grayscale image coding scheme using VQ and BTC. *Fundamenta Informaticae*, 78(2):239–255, October 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hu:2007:BPV

- [866] Yu-Chen Hu, Chia-Chen Lin, and Kang-Liang Chi. Block prediction vector quantization for grayscale image compression. *Fundamenta Informaticae*, 78(2):257–270, October 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Huynh:2007:AFL

- [867] Van Nam Huynh, Yoshiteru Nakamori, and Tetsuya Murai. An algebraic foundation for linguistic reasoning. *Fundamenta Informaticae*, 78(2):271–294, October 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Palka:2007:ISS

- [868] Ewa Palka. An infinitary sequent system for the equational theory of *-continuous action lattices. *Fundamenta Informaticae*, 78(2):295–309, October 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2007:F

- [869] Anonymous. Foreword. *Fundamenta Informaticae*, 78(3):??, November 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Freund:2007:CAP

- [870] Rudolf Freund and Fritz Taill. Cellular automata and parallel array systems. *Fundamenta Informaticae*, 78(3):311–327, November 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fuks:2007:RCB

- [871] Henryk Fuks. Remarks on the critical behavior of second order additive invariants in elementary cellular automata. *Fundamenta Informaticae*, 78(3):329–341, November 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Klein:2007:CDU

- [872] Andreas Klein and Martin Kutrib. Cellular devices and unary languages. *Fundamenta Informaticae*, 78(3):343–368, November 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Maji:2007:RHP

- [873] Pradipta Maji and P. Pal Chaudhuri. RBFFCA: A hybrid pattern classifier using radial basis function and fuzzy cellular automata. *Fundamenta Informaticae*, 78(3):369–396, November 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nishio:2007:ASN

- [874] Hidenosuke Nishio, Maurice Margenstern, and Friedrich von Haeseler. On algebraic structure of neighborhoods of cellular automata. *Fundamenta Informaticae*, 78(3):397–416, November 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pivato:2007:SDB

- [875] Marcus Pivato. Spectral domain boundaries in cellular automata. *Fundamenta Informaticae*, 78(3):417–447, November 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Umeo:2007:SEO

- [876] Hiroshi Umeo, Koshi Michisaka, Naoki Kamikawa, and Masaru Kanazawa. State-efficient one-bit communication solutions for some classical cellular automata problems. *Fundamenta Informaticae*, 78(3):449–465, November 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2007:SIK

- [877] Anonymous. Special issue on knowledge discovery. *Fundamenta Informaticae*, 78(4):??, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jiang:2007:SNF

- [878] Liying Jiang and Jitender Deogun. SPICE: A new framework for data mining based on probability logic and formal concept analysis. *Fundamenta Informaticae*, 78(4):467–485, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Galassi:2007:HHM

- [879] Ugo Galassi, Marco Botta, and Attilio Giordana. Hierarchical hidden Markov models for user/process profile learning. *Fundamenta Informaticae*, 78(4):487–505, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Im:2007:PAD

- [880] Seunghyun Im. Privacy aware data management and chase. *Fundamenta Informaticae*, 78(4):507–524, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Seo:2007:TES

- [881] Minkoo Seo, Sanghyun Park, and Jung-Im Won. Towards efficient searching on the secondary structure of protein sequences. *Fundamenta Informaticae*, 78(4):525–542, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Agier:2007:UFR

- [882] Marie Agier, Jean-Marc Petit, and Einoshin Suzuki. Unifying framework for rule semantics: Application to gene expression data. *Fundamenta Informaticae*, 78(4):543–559, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tsumoto:2007:VDB

- [883] Shusaku Tsumoto and Shoji Hirano. Visualization of differences between rules' syntactic and semantic similarities using multidimensional scaling. *Fundamenta Informaticae*, 78(4):561–573, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Salleb-Aouissi:2007:CUD

- [884] Ansaf Salleb-Aouissi and Christel Vrain. A contribution to the use of decision diagrams for loading and mining transaction databases. *Fundamenta Informaticae*, 78(4):575–594, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wu:2007:PPD

- [885] Xintao Wu, Yongge Wang, Songtao Guo, and Yuliang Zheng. Privacy preserving database generation for database application testing. *Fundamenta Informaticae*, 78(4):595–612, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zhang:2007:SIH

- [886] Xin Zhang and Zbigniew W. Raś. Sound isolation by harmonic peak partition for music instrument recognition. *Fundamenta Informaticae*, 78(4):613–628, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bell:2007:NES

- [887] Paul Bell. A note on the emptiness of semigroup intersections. *Fundamenta Informaticae*, 79(1–2):1–4, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cowen:2007:DPS

- [888] Robert Cowen and Adam Kolany. Davis–Putnam style rules for deciding property S . *Fundamenta Informaticae*, 79(1–2):5–15, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chaitin:2007:ACH

- [889] Gregory Chaitin. An algebraic characterization of the halting probability. *Fundamenta Informaticae*, 79(1–2):17–23, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Eiter:2007:LBA

- [890] Thomas Eiter, Esra Erdem, Wolfgang Faber, and Ján Senko. A logic-based approach to finding explanations for discrepancies in optimistic plan execution. *Fundamenta Informaticae*, 79(1–2):25–69, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Herman:2007:PPS

- [891] Grzegorz Herman, Tim Paterson, and Michael Soltys. A propositional proof system with quantification over permutations. *Fundamenta In-*

formaticae, 79(1–2):71–83, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nguyen:2007:FMD

- [892] Linh Anh Nguyen. Foundations of modal deductive databases. *Fundamenta Informaticae*, 79(1–2):85–135, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Rabinovich:2007:CTG

- [893] Alexander Rabinovich. Composition theorem for generalized sum. *Fundamenta Informaticae*, 79(1–2):137–167, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sadowski:2007:OPS

- [894] Zenon Sadowski. Optimal proof systems, optimal acceptors and recursive presentability. *Fundamenta Informaticae*, 79(1–2):169–185, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Vennekens:2007:PILa

- [895] Joost Vennekens, Johan Wittocx, Maarten Mariën, and Marc Denecker. Predicate introduction for logics with a fixpoint semantics. Part I: Logic programming. *Fundamenta Informaticae*, 79(1–2):187–208, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Vennekens:2007:PILb

- [896] Joost Vennekens, Johan Wittocx, Maarten Mariën, and Marc Denecker. Predicate introduction for logics with fixpoint semantics. Part II: Autoepistemic logic. *Fundamenta Informaticae*, 79(1–2):209–227, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wozna:2007:BMC

- [897] Bożena Woźna and Andrzej Zbrzezny. Bounded model checking for the existential fragment of TCTL_G and diagonal timed automata. *Fundamenta Informaticae*, 79(1–2):229–256, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zhang:2007:CAP

- [898] Wei-Guo Zhang and Ying-Luo Wang. A comparative analysis of possibilistic variances and covariances of fuzzy numbers. *Fundamenta In-*

formaticae, 79(1–2):257–263, January 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2007:CSP

- [899] Anonymous. Concurrency specification and programming (CS&P). *Fundamenta Informaticae*, 79(3–4):??, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mazurkiewicz:2007:CSR

- [900] Antoni Mazurkiewicz. Compositional systems over reducible networks. *Fundamenta Informaticae*, 79(3–4):265–282, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Czaja:2007:IN

- [901] Ludwik Czaja. Interpreted nets. *Fundamenta Informaticae*, 79(3–4):283–293, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dietze:2007:DPB

- [902] Roxana Dietze, Manfred Kudlek, and Olaf Kummer. Decidability problems of a basic class of object nets. *Fundamenta Informaticae*, 79(3–4):295–302, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Farwer:2007:CTM

- [903] Berndt Farwer, Manfred Kudlek, and Heiko Rölke. Concurrent Turing machines. *Fundamenta Informaticae*, 79(3–4):303–317, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gomolinska:2007:ASB

- [904] Anna Gomolińska. Approximation spaces based on relations of similarity and dissimilarity of objects. *Fundamenta Informaticae*, 79(3–4):319–333, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gruska:2007:OBS

- [905] Damas P. Gruska. Observation based system security. *Fundamenta Informaticae*, 79(3–4):335–346, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

vanHee:2007:CPA

- [906] Kees van Hee, Olivia Oanea, Alexander Serebrenik, Natalia Sidorova, Marc Voorhoeve, and Irina A. Lomazova. Checking properties of adap-

tive workflow nets. *Fundamenta Informaticae*, 79(3–4):347–362, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jakubowska:2007:MCT

- [907] Gizela Jakubowska and Wojciech Penczek. Modelling and checking timed authentication of security protocols. *Fundamenta Informaticae*, 79(3–4):363–378, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Janowska:2007:PCT

- [908] Agata Janowska and Wojciech Penczek. Path compression in timed automata. *Fundamenta Informaticae*, 79(3–4):379–399, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kohler:2007:RPO

- [909] Michael Köhler. The reachability problem for object nets. *Fundamenta Informaticae*, 79(3–4):401–413, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kohler:2007:FMM

- [910] Michael Köhler. A formal model of multi-agent organisations. *Fundamenta Informaticae*, 79(3–4):415–430, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kryvyi:2007:ATM

- [911] Sergiy Kryvyi and Lyudmila Matvyeyeva. Algorithm of translation of MSC-specified system into Petri net. *Fundamenta Informaticae*, 79(3–4):431–445, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kudlek:2007:SSC

- [912] Manfred Kudlek. On semilinear sets over commutative semirings. *Fundamenta Informaticae*, 79(3–4):447–452, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kurkowski:2007:VSP

- [913] Mirosław Kurkowski and Wojciech Penczek. Verifying security protocols modelled by networks of automata. *Fundamenta Informaticae*, 79(3–4):453–471, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lomuscio:2007:VTP

- [914] Alessio Lomuscio, Franco Raimondi, and Bożena Woźna. Verification of the TESLA protocol in MCMAS-X. *Fundamenta Informaticae*, 79(3–4):473–486, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mazurkiewicz:2007:LPT

- [915] Antoni Mazurkiewicz. Local properties of triangular graphs. *Fundamenta Informaticae*, 79(3–4):487–495, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Peters:2007:NOE

- [916] James F. Peters, Andrzej Skowron, and Jarosław Stepaniuk. Nearness of objects: Extension of approximation space model. *Fundamenta Informaticae*, 79(3–4):497–512, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Redziejowski:2007:PEG

- [917] Roman R. Redziejowski. Parsing expression grammar as a primitive recursive-descent parser with backtracking. *Fundamenta Informaticae*, 79(3–4):513–524, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Stepaniuk:2007:RDR

- [918] Jarosław Stepaniuk. Relational data and rough sets. *Fundamenta Informaticae*, 79(3–4):525–539, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Suraj:2007:AAP

- [919] Zbigniew Suraj and Barbara Fryc. Analysis of approximate Petri nets by means of occurrence graphs. *Fundamenta Informaticae*, 79(3–4):541–551, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Suraj:2007:TEC

- [920] Zbigniew Suraj and Krzysztof Pancierz. Towards efficient computing consistent and partially consistent extensions of information systems. *Fundamenta Informaticae*, 79(3–4):553–566, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wolski:2007:ASN

- [921] Marcin Wolski. Approximation spaces and nearness type structures. *Fundamenta Informaticae*, 79(3–4):567–577, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zbrzezny:2007:SBR

- [922] Andrzej Zbrzezny and Agata Póhrola. SAT-based reachability checking for timed automata with discrete data. *Fundamenta Informaticae*, 79(3–4):579–593, February 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2007:AMH

- [923] Anonymous. Antoni Mazurkiewicz — half a century of inspirational research. *Fundamenta Informaticae*, 80(1–3):??, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Diekert:2007:FOF

- [924] Volker Diekert, Martin Horsch, and Manfred Kuffleitner. On first-order fragments for Mazurkiewicz traces. *Fundamenta Informaticae*, 80(1–3):1–29, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bernardinello:2007:PSB

- [925] Luca Bernardinello, Elena Monticelli, and Lucia Pomello. On preserving structural and behavioural properties by composing net systems on interfaces. *Fundamenta Informaticae*, 80(1–3):31–47, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Billington:2007:FTD

- [926] Jonathan Billington and Bing Han. Formalising TCP’s data transfer service language: A symbolic automaton and its properties. *Fundamenta Informaticae*, 80(1–3):49–74, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Best:2007:MPN

- [927] Eike Best, Philippe Darondeau, and Harro Wimmel. Making Petri nets safe and free of internal transitions. *Fundamenta Informaticae*, 80(1–3):75–90, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Conforti:2007:SBU

- [928] Giovanni Conforti, Damiano Macedonio, and Vladimiro Sassone. Static BiLog: a unifying language for spatial structures. *Fundamenta Informaticae*, 80(1–3):91–110, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Engelfriet:2007:FCT

- [929] Joost Engelfriet and Hendrik Jan Hoogeboom. Finitary compositions of two-way finite-state transductions. *Fundamenta Informaticae*, 80(1–3):111–123, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Carette:2007:CPN

- [930] Jacques Carette and Ryszard Janicki. Computing properties of numerical imperative programs by symbolic computation. *Fundamenta Informaticae*, 80(1–3):125–146, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Genest:2007:CAB

- [931] Blaise Genest, Dietrich Kuske, and Anca Muscholl. On communicating automata with bounded channels. *Fundamenta Informaticae*, 80(1–3):147–167, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gastin:2007:USP

- [932] Paul Gastin and Dietrich Kuske. Uniform satisfiability in PSPACE for local temporal logics over Mazurkiewicz traces. *Fundamenta Informaticae*, 80(1–3):169–197, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kleijn:2007:PPN

- [933] Jetty Kleijn and Maciej Koutny. Processes of Petri nets with range testing. *Fundamenta Informaticae*, 80(1–3):199–219, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chalopin:2007:EMP

- [934] Jérémie Chalopin and Yves Métivier. An efficient message passing election algorithm based on Mazurkiewicz’s algorithm. *Fundamenta Informaticae*, 80(1–3):221–246, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moshkov:2007:MRS

- [935] Mikhail Ju. Moshkov, Andrzej Skowron, and Zbigniew Suraj. On minimal rule sets for almost all binary information systems. *Fundamenta Informaticae*, 80(1–3):247–258, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ochmanski:2007:EMT

- [936] Edward Ochmański and Joanna Pieckowska. On ethics of Mazurkiewicz traces. *Fundamenta Informaticae*, 80(1–3):259–272, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Reisig:2007:DPE

- [937] Wolfgang Reisig. The decent philosophers: An exercise in concurrent behaviour. *Fundamenta Informaticae*, 80(1–3):273–281, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wang:2007:PAV

- [938] Xu Wang and Marta Kwiatkowska. On process-algebraic verification of asynchronous circuits. *Fundamenta Informaticae*, 80(1–3):283–310, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Winkowski:2007:TFM

- [939] Józef Winkowski. Towards a framework for modelling behaviours of hybrid systems. *Fundamenta Informaticae*, 80(1–3):311–332, March 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bergstra:2007:MCS

- [940] Jan A. Bergstra and Cornelis A. Middelburg. Maurer computers with single-thread control. *Fundamenta Informaticae*, 80(4):333–362, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bui:2007:HCT

- [941] Alain Bui and Devan Sohier. How to compute times of random walks based distributed algorithms. *Fundamenta Informaticae*, 80(4):363–378, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Flasinski:2007:IPG

- [942] Mariusz Flasiński. Inference of parsable graph grammars for syntactic pattern recognition. *Fundamenta Informaticae*, 80(4):379–413, Decem-

ber 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hebert:2007:DMF

- [943] Céline Hébert, Alain Bretto, and Bruno Crémilleux. A data mining formalization to improve hypergraph minimal transversal computation. *Fundamenta Informaticae*, 80(4):415–433, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jiang:2007:FCA

- [944] Feng Jiang, Yuefei Sui, and Cungen Cao. Formal concept analysis in relational database and rough relational database. *Fundamenta Informaticae*, 80(4):435–451, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Li:2007:SAP

- [945] Fagen Li and Yupu Hu. Security analysis of the Pomykala–Barabasz scheme. *Fundamenta Informaticae*, 80(4):453–459, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic). See [622].

Lu:2007:NPL

- [946] Rongxing Lu, Zhenfu Cao, and Xiaolei Dong. A new practical limited identity-based encryption scheme. *Fundamenta Informaticae*, 80(4):461–474, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Maji:2007:RHC

- [947] Pradipta Maji and Sankar K. Pal. RFCM: A hybrid clustering algorithm using rough and fuzzy sets. *Fundamenta Informaticae*, 80(4):475–496, December 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2007:P

- [948] Anonymous. Preface. *Fundamenta Informaticae*, 81(1–3):??, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Krajewski:2007:AGL

- [949] Stanisław Krajewski and Jan Woleński. Andrzej Grzegorzcyk: Logic and philosophy. *Fundamenta Informaticae*, 81(1–3):1–17, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Arnold:2007:CSG

- [950] André Arnold and Damian Niwiński. Continuous separation of game languages. *Fundamenta Informaticae*, 81(1–3):19–28, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Balbiani:2007:MLR

- [951] Philippe Balbiani, Tinko Tinchev, and Dimiter Vakarelov. Modal logics for region-based theories of space. *Fundamenta Informaticae*, 81(1–3):29–82, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cegielski:2007:ATP

- [952] Patrick Cégielski, Denis Richard, and Maxim Vsemirnov. On the additive theory of prime numbers. *Fundamenta Informaticae*, 81(1–3):83–96, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Czelakowski:2007:IPS

- [953] Janusz Czelakowski. Induction principles for sets. *Fundamenta Informaticae*, 81(1–3):97–122, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic). See corrigendum [1302].

Gottwald:2007:MFL

- [954] Siegfried Gottwald. Mathematical fuzzy logic: An invitation to interesting research areas. *Fundamenta Informaticae*, 81(1–3):123–137, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gruszczynski:2007:PS

- [955] Rafał Gruszczynski and Andrzej Pietruszczak. Pieri’s structures. *Fundamenta Informaticae*, 81(1–3):139–154, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hajek:2007:MFL

- [956] Petr Hájek. Mathematical fuzzy logic and natural numbers. *Fundamenta Informaticae*, 81(1–3):155–163, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kossak:2007:SUN

- [957] Roman Kossak. On some uses of nonstandard models. *Fundamenta Informaticae*, 81(1–3):165–172, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Krajewski:2007:GTM

- [958] Stanisław Krajewski. On Gödel's Theorem and mechanism: Inconsistency or unsoundness is unavoidable in any attempt to 'out-Gödel' the mechanist. *Fundamenta Informaticae*, 81(1–3):173–181, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Krynicky:2007:FA

- [959] Michał Krynicky, Marcin Mostowski, and Konrad Zdanowski. Finite arithmetics. *Fundamenta Informaticae*, 81(1–3):183–202, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Maksimova:2007:MGL

- [960] Larisa Maksimova. On modal Grzegorzczuk logic. *Fundamenta Informaticae*, 81(1–3):203–210, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Marek:2007:CPS

- [961] Victor W. Marek and Jeffrey B. Remmel. Compactness properties for stable semantics of logic programs. *Fundamenta Informaticae*, 81(1–3):211–239, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mostowski:2007:PIC

- [962] Marcin Mostowski. Potential infinity and the Church thesis. *Fundamenta Informaticae*, 81(1–3):241–248, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Murawski:2007:DLN

- [963] Roman Murawski. Did Leibniz and Newton discover or create the calculus? *Fundamenta Informaticae*, 81(1–3):249–256, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Romanowska:2007:ABA

- [964] Anna B. Romanowska, Jonathan D. H. Smith, and Ewa Orłowska. Abstract barycentric algebras. *Fundamenta Informaticae*, 81(1–3):257–273, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Orłowska:2007:DDH

- [965] Ewa Orłowska and Ingrid Rewitzky. Discrete dualities for Heyting algebras with operators. *Fundamenta Informaticae*, 81(1–3):275–295, May

2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Rybakov:2007:DWR

- [966] Vladimir V. Rybakov. Decidability w.r.t. logical consecutions of linear temporal logic extended by since and previous. *Fundamenta Informaticae*, 81(1–3):297–313, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Salwicki:2007:AGC

- [967] Andrzej Salwicki. Andrzej Grzegorzczuk’s contribution to computer science. *Fundamenta Informaticae*, 81(1–3):315–323, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Srebrny:2007:PPE

- [968] Marian Srebrny and Lidia Stepień. A propositional programming environment for linear algebra. *Fundamenta Informaticae*, 81(1–3):325–345, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Svejdar:2007:IRA

- [969] Vítězslav Švejdar. An interpretation of Robinson arithmetic in its Grzegorzczuk’s weaker variant. *Fundamenta Informaticae*, 81(1–3):347–354, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wolenski:2007:LRP

- [970] Jan Woleński. Logic, rationality and psychologism. *Fundamenta Informaticae*, 81(1–3):355–365, May 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bedregal:2007:PAF

- [971] Benjamín René Callejas Bedregal. Pushdown automata free of explicit nondeterminism and an infinite hierarchy of context-free languages. *Fundamenta Informaticae*, 81(4):367–377, June 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Diaconescu:2007:TOM

- [972] Denisa Diaconescu and George Georgescu. Tense operators on MV-algebras and Łukasiewicz–Moisil algebras. *Fundamenta Informaticae*, 81(4):379–408, June 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fernandez-Camacho:2007:BST

- [973] María-Inés Fernández-Camacho and José-Ramón Sánchez-Couso. Binary search trees, recurrent properties and wave equations. *Fundamenta Informaticae*, 81(4):409–439, June 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Han:2007:OFR

- [974] Yo-Sub Han and Derick Wood. Outfix-free regular languages and prime outfix-free decomposition. *Fundamenta Informaticae*, 81(4):441–457, June 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Manea:2007:GAP

- [975] Florin Manea and Călina Ploscaru. A generalization of the assignment problem, and its application to the rank aggregation problem. *Fundamenta Informaticae*, 81(4):459–471, June 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Marciniec:2007:UCL

- [976] Jacek Marciniec. From unification compactness to learnability. *Fundamenta Informaticae*, 81(4):473–484, June 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Schott:2007:ESW

- [977] René Schott and Jean-Claude Spehner. Erratum for “Shuffle of Words and *Araucaria* Trees”. *Fundamenta Informaticae*, 81(4):485–490, June 2007. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic). See [774].

Chang:2008:TPL

- [978] Chin-Chen Chang, Chih-Yang Lin, and Yi-Pei Hsieh. Three-phase lossless data hiding method for the VQ index table. *Fundamenta Informaticae*, 82(1–2):1–13, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chiang:2008:CPB

- [979] Yung-Kuei Chiang, Piyu Tsai, and Feng-Long Huang. Codebook partition based steganography without member restriction. *Fundamenta Informaticae*, 82(1–2):15–27, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Csuhaj-Varju:2008:ECS

- [980] Erzsébet Csuhaj-Varjú, Antonio Di Nola, Gheorghe Păun, Mario J. Pérez-Jiménez, and György Vaszil. Editing configurations of P systems. *Fundamenta Informaticae*, 82(1–2):29–46, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Drewes:2008:PLR

- [981] Frank Drewes and Brink van der Merwe. Path languages of random permitting context tree grammars are regular. *Fundamenta Informaticae*, 82(1–2):47–60, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Esik:2008:PTA

- [982] Zoltán Ésik and Szabolcs Iván. Products of tree automata with an application to temporal logic. *Fundamenta Informaticae*, 82(1–2):61–78, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Esik:2008:SVF

- [983] Zoltán Ésik and Szabolcs Iván. Some varieties of finite tree automata related to restricted temporal logics. *Fundamenta Informaticae*, 82(1–2):79–103, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Galinski:2008:ISU

- [984] Grzegorz Galiński and Władysław Skarbek. Image search using dominant colors. *Fundamenta Informaticae*, 82(1–2):105–112, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ilcinkas:2008:IAB

- [985] David Ilcinkas and Andrzej Pelc. Impact of asynchrony on the behavior of rational selfish agents. *Fundamenta Informaticae*, 82(1–2):113–125, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kaminski:2008:IUS

- [986] Michael Kaminski. Invariance under stuttering in a temporal logic without the “until” operator. *Fundamenta Informaticae*, 82(1–2):127–140, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kucera:2008:CSF

- [987] Antonín Kučera and Oldřich Stražovský. On the controller synthesis for finite-state Markov decision processes. *Fundamenta Informaticae*, 82(1–2):141–153, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lin:2008:HPR

- [988] Ching-Chiuan Lin, Nien-Lin Hsueh, and Wen-Hsiang Shen. High-performance reversible data hiding. *Fundamenta Informaticae*, 82(1–2):155–169, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moura:2008:CTA

- [989] Arnaldo V. Moura and Guilherme A. Pinto. Classes of timed automata and the undecidability of universality. *Fundamenta Informaticae*, 82(1–2):171–184, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Terlikowski:2008:ITS

- [990] Tomasz Terlikowski. Information in a two-stage decision process. General idea and classification. *Fundamenta Informaticae*, 82(1–2):185–212, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2008:RRM

- [991] Anonymous. Rules and rule markup languages for the semantic Web. *Fundamenta Informaticae*, 82(3):??, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

deBruijn:2008:RBD

- [992] Jos de Bruijn and Stijn Heymans. On the relationship between description logic-based and F -logic-based ontologies. *Fundamenta Informaticae*, 82(3):213–236, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Behrends:2008:EEA

- [993] Erik Behrends, Oliver Fritzen, Wolfgang May, and Franz Schenk. Embedding event algebras and process for ECA rules for the semantic Web. *Fundamenta Informaticae*, 82(3):237–263, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Damasio:2008:RUR

- [994] Carlos Viegas Damásio, Jeff Z. Pan, Giorgos Stoilos, and Umberto Straccia. Representing uncertainty in RuleML. *Fundamenta Informaticae*, 82(3):265–288, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lukasiewicz:2008:FDL

- [995] Thomas Lukasiewicz. Fuzzy description logic programs under the answer set semantics for the semantic Web. *Fundamenta Informaticae*, 82(3):289–310, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2008:BCC

- [996] Anonymous. Behavior of composed concurrent systems: Logic and reasoning. *Fundamenta Informaticae*, 82(4):??, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Stehr:2008:CTC

- [997] Mark-Oliver Stehr. Compositionality for tightly coupled systems: A new application of the propositions-as-types interpretation. *Fundamenta Informaticae*, 82(4):311–340, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Johnsen:2008:VBC

- [998] Einar Broch Johnsen, Olaf Owe, and Arild B. Torjusen. Validating behavioral component interfaces in rewriting logic. *Fundamenta Informaticae*, 82(4):341–359, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Clarke:2008:BLR

- [999] Dave Clarke. A basic logic for reasoning about connector reconfiguration. *Fundamenta Informaticae*, 82(4):361–390, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Abraham:2008:DPS

- [1000] Erika Ábrahám, Frank S. de Boer, Willem-Paul de Roever, and Martin Steffen. A deductive proof system for multithreaded Java with exceptions. *Fundamenta Informaticae*, 82(4):391–463, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Esmaeilsabzali:2008:IAC

- [1001] Shahram Esmaeilsabzali, Nancy A. Day, and Farhad Mavaddat. Interface automata with complex actions: Limiting interleaving in interface automata. *Fundamenta Informaticae*, 82(4):465–512, July 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2008:ACA

- [1002] Anonymous. Algorithmic complexity and applications. *Fundamenta Informaticae*, 83(1–2):??, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Archibald:2008:RRS

- [1003] Margaret Archibald, Vasco Brattka, and Clemens Heuberger. Randomness with respect to the signed-digit representation. *Fundamenta Informaticae*, 83(1–2):1–19, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bienvenu:2008:SPM

- [1004] Laurent Bienvenu, Wolfgang Merkle, and Alexander Shen. A simple proof of Miller–Yu theorem. *Fundamenta Informaticae*, 83(1–2):21–24, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bridges:2008:PC

- [1005] D. S. Bridges and L. S. Viță. Proximal connectedness. *Fundamenta Informaticae*, 83(1–2):25–34, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dassow:2008:NCS

- [1006] Jürgen Dassow and Ralf Stiebe. Nonterminal complexity of some operations on context-free languages. *Fundamenta Informaticae*, 83(1–2):35–49, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fernau:2008:BCA

- [1007] Henning Fernau and Ralf Stiebe. Blind counter automata on ω -words. *Fundamenta Informaticae*, 83(1–2):51–64, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Freund:2008:RLD

- [1008] Rudolf Freund and Marion Oswald. Regular ω -languages defined by finite extended spiking neural P systems. *Fundamenta Informaticae*, 83

(1–2):65–73, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gao:2008:SCT

- [1009] Yuan Gao, Kai Salomaa, and Sheng Yu. The state complexity of two combined operations: Star of catenation and star of reversal. *Fundamenta Informaticae*, 83(1–2):75–89, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gulliver:2008:GAP

- [1010] T. Aaron Gulliver, Isaiah Makwakwa, and Ulrich Speidel. On the generation of aperiodic and periodic necklaces via T -augmentation. *Fundamenta Informaticae*, 83(1–2):91–107, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gossel:2008:NLS

- [1011] Michael Gössel and Egor Sogomonyan. A non-linear split error detection code. *Fundamenta Informaticae*, 83(1–2):109–115, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hay:2008:SC

- [1012] Nicholas J. Hay. Simulation complexity. *Fundamenta Informaticae*, 83(1–2):117–140, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hertling:2008:CTP

- [1013] Peter Hertling and Christoph Spandl. Computability theoretic properties of the entropy of gap shifts. *Fundamenta Informaticae*, 83(1–2):141–157, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jain:2008:PLI

- [1014] Sanjay Jain, Frank Stephan, and Ye Nan. Prescribed learning of indexed families. *Fundamenta Informaticae*, 83(1–2):159–175, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ryabko:2008:AKC

- [1015] Boris Ryabko. Applications of Kolmogorov complexity and universal codes to nonparametric estimation of characteristics of time series. *Fundamenta Informaticae*, 83(1–2):177–196, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Selivanov:2008:CTP

- [1016] Victor L. Selivanov and Klaus W. Wagner. Complexity of topological properties of regular ω -languages. *Fundamenta Informaticae*, 83(1–2):197–217, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zheng:2008:HCE

- [1017] Xizhong Zheng. A hierarchy of computably enumerable reals. *Fundamenta Informaticae*, 83(1–2):219–230, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ghosh:2008:NDR

- [1018] Ashish Ghosh and Mrinal Kanti Das. Non-dominated rank based sorting genetic algorithms. *Fundamenta Informaticae*, 83(3):231–252, August 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Grimberg:2008:FOG

- [1019] Benjamin Grimberg and Michael Kaminski. First-order ground non-monotonic modal logic. *Fundamenta Informaticae*, 83(3):253–276, August 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Laugerotte:2008:WWR

- [1020] Éric Laugerotte and Djelloul Ziadi. Weighted word recognition. *Fundamenta Informaticae*, 83(3):277–298, August 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lin:2008:EBI

- [1021] Chia-Chen Lin and Shing-Shoung Wang. An edge-based image copy detection scheme. *Fundamenta Informaticae*, 83(3):299–318, August 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Liu:2008:GPV

- [1022] Jen-Chang Liu and Ming-Hong Shih. Generalizations of pixel-value differencing steganography for data hiding in images. *Fundamenta Informaticae*, 83(3):319–335, August 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Farina:2008:PPC

- [1023] Fabio Farina and Alberto Dennunzio. A predator-prey cellular automaton with parasitic interactions and environmental effects. *Fundamenta*

Informaticae, 83(4):337–353, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Meghini:2008:AAI

- [1024] Carlo Meghini, Yannis Tzitzikas, and Nicolas Spyrtatos. Abduction for accessing information sources. *Fundamenta Informaticae*, 83(4):355–387, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Simson:2008:ASB

- [1025] Daniel Simson and Mariusz Wojewódzki. An algorithmic solution of a Birkhoff type problem. *Fundamenta Informaticae*, 83(4):389–410, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Subramanian:2008:AGC

- [1026] K. G. Subramanian, Do Long Van, P. Helen Chandra, and Nghiem Do Quyen. Array grammars with contextual operations. *Fundamenta Informaticae*, 83(4):411–428, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Winter:2008:RAT

- [1027] Michael Winter. A relation-algebraic theory of bisimulations. *Fundamenta Informaticae*, 83(4):429–449, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Balbiani:2008:MLP

- [1028] Philippe Balbiani, Petar Iliev, and Dimiter Vakarelov. A modal logic for Pawlak’s approximation spaces with rough cardinality n . *Fundamenta Informaticae*, 83(4):451–464, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2008:AWC

- [1029] Anonymous. Australasian workshop on combinatorial algorithms. *Fundamenta Informaticae*, 84(1):??, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Amir:2008:PEC

- [1030] Amihood Amir, Avivit Levy, and Liron Reuveni. The practical efficiency of convolutions in pattern matching algorithms. *Fundamenta Informaticae*, 84(1):1–15, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Roh:2008:EMA

- [1031] Kangho Roh, Maxime Crochemore, Costas S. Iliopoulos, and Kunsoo Park. External memory algorithms for string problems. *Fundamenta Informaticae*, 84(1):17–32, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zhang:2008:ACR

- [1032] Hui Zhang, Qing Guo, and Costas S. Iliopoulos. Algorithms for computing the λ -regularities in strings. *Fundamenta Informaticae*, 84(1):33–49, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kelarev:2008:ABC

- [1033] Andrei Kelarev. An algorithm for BCH codes extended with finite state automata. *Fundamenta Informaticae*, 84(1):51–60, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Luo:2008:SMC

- [1034] Hongwei Luo and Kathy Horadam. Simulation and measurement of complex network growth: the interplay of uniform and preferential attachment. *Fundamenta Informaticae*, 84(1):61–79, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Park:2008:IBC

- [1035] Eunhui Park and Kunsoo Park. An improved Boolean circuit for maximum matching in a convex bipartite graph. *Fundamenta Informaticae*, 84(1):81–97, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lefevre:2008:PRH

- [1036] James G. Lefevre, Diane Donovan, and Aleš Drápal. Permutation representation of 3 and 4-homogeneous Latin bitrades. *Fundamenta Informaticae*, 84(1):99–110, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bueno:2008:PTM

- [1037] Orestes Bueno and Prabhu Manyem. Polynomial-time maximisation classes: Syntactic hierarchy. *Fundamenta Informaticae*, 84(1):111–133, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Weng:2008:EIQ

- [1038] J. F. Weng, J. MacGregor Smith, M. Brazil, and D. A. Thomas. Equivalence, indicators, quasi-indicators and optimal Steiner topologies on four points in space. *Fundamenta Informaticae*, 84(1):135–149, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2008:LP

- [1039] Anonymous. Logic for pragmatics. *Fundamenta Informaticae*, 84(2):??, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Asher:2008:TDT

- [1040] Nicholas Asher. A type driven theory of predication with complex types. *Fundamenta Informaticae*, 84(2):151–183, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Biasi:2008:TAP

- [1041] Corrado Biasi and Federico Aschieri. A term assignment for polarized bintuitionistic logic and its strong normalization. *Fundamenta Informaticae*, 84(2):185–205, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Oliva:2008:KRI

- [1042] Paulo Oliva and Thomas Streicher. On Krivine’s realizability interpretation of classical second-order arithmetic. *Fundamenta Informaticae*, 84(2):207–220, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Power:2008:CTS

- [1043] John Power and Miki Tanaka. Category theoretic semantics for typed binding signatures with recursion. *Fundamenta Informaticae*, 84(2):221–240, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Raffalli:2008:RAC

- [1044] Christophe Raffalli and Frédéric Ruyer. Realizability of the axiom of choice in HOL. (an analysis of Krivine’s work). *Fundamenta Informaticae*, 84(2):241–258, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

White:2008:DRA

- [1045] Graham White. Davidson and Reiter on actions. *Fundamenta Informaticae*, 84(2):259–289, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Clark:2008:SAP

- [1046] Alexander Clark and Chris Watkins. Some alternatives to Parikh matrices using string kernels. *Fundamenta Informaticae*, 84(3–4):291–303, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Droste:2008:MVM

- [1047] Manfred Droste, Werner Kuich, and George Rahonis. Multi-valued MSO logics OverWords and trees. *Fundamenta Informaticae*, 84(3–4):305–327, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hamzeh:2008:NAL

- [1048] Ali Hamzeh and Adel Rahmani. A new architecture for learning classifier systems to solve POMDP problems. *Fundamenta Informaticae*, 84(3–4):329–351, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Huang:2008:NCK

- [1049] Hui-Feng Huang and Chin-Chen Chang. A novel cryptographic key assignment scheme with ID-based access control in a hierarchy. *Fundamenta Informaticae*, 84(3–4):353–361, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ishdorj:2008:CEI

- [1050] Tseren-Onolt Ishdorj, Remco Loos, and Ion Petre. Computational efficiency of intermolecular gene assembly. *Fundamenta Informaticae*, 84(3–4):363–373, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kazda:2008:CRS

- [1051] Alexandr Kazda. The chain relation in sofic subshifts. *Fundamenta Informaticae*, 84(3–4):375–390, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lin:2008:AEB

- [1052] Ching-Chiuan Lin, Nien-Lin Hsueh, and Wen-Hsiang Shen. Adaptively embedding binary data in an image. *Fundamenta Informaticae*, 84(3–4):391–402, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Liu:2008:RRE

- [1053] Yong Liu, Congfu Xu, Qiong Zhang, and Yunhe Pan. Rough rule extracting from various conditions: Incremental and approximate approaches for inconsistent data. *Fundamenta Informaticae*, 84(3–4):403–427, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Patra:2008:CDR

- [1054] Swarnajyoti Patra, Susmita Ghosh, and Ashish Ghosh. Change detection of remote sensing images with semi-supervised multilayer perceptron. *Fundamenta Informaticae*, 84(3–4):429–442, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ranalter:2008:SAL

- [1055] Kurt Ranalter. A semantic analysis of a logic for pragmatics with assertions, obligations, and causal implication. *Fundamenta Informaticae*, 84(3–4):443–470, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Saha:2008:FSB

- [1056] Sriparna Saha and Sanghamitra Bandyopadhyay. Fuzzy symmetry based real-coded genetic clustering technique for automatic pixel classification in remote sensing imagery. *Fundamenta Informaticae*, 84(3–4):471–492, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2008:CSP

- [1057] Anonymous. Concurrency specification and programming (CS&P). *Fundamenta Informaticae*, 85(1–4):??, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mirkowska:2008:ALS

- [1058] Grażyna Mirkowska, Andrzej Salwicki, and Oskar Swida. Algorithmic logic + SpecVer = the methodology for high integrity programming — invited paper. *Fundamenta Informaticae*, 85(1–4):1–17, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bednarczyk:2008:MFA

- [1059] Marek A. Bednarczyk, Wiesław Pawłowski, Luca Bernardinello, Lucia Pomello, and Tomasz Borzyszkowski. A multi-facet approach to dynamic agent systems. *Fundamenta Informaticae*, 85(1–4):19–33, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bellia:2008:MPP

- [1060] Marco Bellia and M. Eugenia Occhiuto. Methods as parameters: A pre-processing approach to higher order in Java. *Fundamenta Informaticae*, 85(1–4):35–50, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Budzynska:2008:LRA

- [1061] Katarzyna Budzyńska and Magdalena Kacprzak. A logic for reasoning about persuasion. *Fundamenta Informaticae*, 85(1–4):51–65, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chrzastowski-Wachtel:2008:TDS

- [1062] Piotr Chrzastowski-Wachtel, Paweł Findeisen, and Grzegorz Wolny. Time distribution in structural workflow nets. *Fundamenta Informaticae*, 85(1–4):67–87, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Czaja:2008:BAN

- [1063] Ludwik Czaja. Boolean algebra of nets, their synthesis and analysis. *Fundamenta Informaticae*, 85(1–4):89–95, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Delimata:2008:FSA

- [1064] Paweł Delimata and Zbigniew Suraj. Feature selection algorithm for multiple classifier systems: A hybrid approach. *Fundamenta Informaticae*, 85(1–4):97–110, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Farwer:2008:PNC

- [1065] Berndt Farwer, Matthias Jantzen, Manfred Kudlek, Heiko Rölke, and Georg Zetsche. Petri net controlled finite automata. *Fundamenta Informaticae*, 85(1–4):111–121, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gohring:2008:CBW

- [1066] Daniel Göhring, Heinrich Mellmann, Kataryna Gerasymova, and Hans-Dieter Burkhard. Constraint based world modeling. *Fundamenta Informaticae*, 85(1–4):123–137, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gomolinska:2008:SFS

- [1067] Anna Gomolińska. Satisfiability of formulas from the standpoint of object classification: The RST approach. *Fundamenta Informaticae*, 85(1–4):139–153, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gora:2008:CBP

- [1068] Grzegorz Góra, Piotr Kruczek, Andrzej Skowron, Jan G. Bazan, Stanisława Bazan-Socha, and Jacek J. Pietrzyk. Case-based planning of treatment of infants with respiratory failure. *Fundamenta Informaticae*, 85(1–4):155–172, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gruska:2008:PIF

- [1069] Damas P. Gruska. Probabilistic information flow security. *Fundamenta Informaticae*, 85(1–4):173–187, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gruska:2008:SML

- [1070] Damas P. Gruska, Andrea Maggiolo-Schettini, and Paolo Milazzo. Security in a model for long-running transactions. *Fundamenta Informaticae*, 85(1–4):189–203, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Grzymala-Busse:2008:ASL

- [1071] Jerzy W. Grzymala-Busse and Wojciech Rzasa. Approximation space and LEM2-like algorithms for computing local coverings. *Fundamenta Informaticae*, 85(1–4):205–217, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

vanHee:2008:THP

- [1072] Kees van Hee, Alexander Serebrenik, and Natalia Sidorova. Token history Petri nets. *Fundamenta Informaticae*, 85(1–4):219–234, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Janowska:2008:TIL

- [1073] Agata Janowska, Paweł Janowski, and Dobiesław Wróblewski. Translation of intermediate language to timed automata with discrete data. *Fundamenta Informaticae*, 85(1–4):235–248, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jankowski:2008:ODC

- [1074] Andrzej Jankowski, James F. Peters, Andrzej Skowron, and Jarosław Stepaniuk. Optimization in discovery of compound granules. *Fundamenta Informaticae*, 85(1–4):249–265, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jantzen:2008:LCD

- [1075] Matthias Jantzen, Manfred Kudlek, and Georg Zetsche. Language classes defined by concurrent finite automata. *Fundamenta Informaticae*, 85(1–4):267–280, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jolkowska:2008:TEB

- [1076] Joanna Jółkowska and Edward Ochmański. On trace-expressible behaviour of Petri nets. *Fundamenta Informaticae*, 85(1–4):281–295, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jungel:2008:MBS

- [1077] Matthias Jünger and Heinrich Mellmann. Memory-based state-estimation. *Fundamenta Informaticae*, 85(1–4):297–311, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kacprzak:2008:VMC

- [1078] Magdalena Kacprzak, Wojciech Nabiałek, Artur Niewiadomski, Wojciech Penczek, Agata Pórola, Maciej Szreter, Bożena Woźna, and Andrzej Zbrzezny. VerICS 2007 — a model checker for knowledge and real-time. *Fundamenta Informaticae*, 85(1–4):313–328, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kohler-Bussmeier:2008:LPZ

- [1079] Michael Köhler-Bußmeier and Manfred Kudlek. Linear properties of zero-safe nets with debit tokens. *Fundamenta Informaticae*, 85(1–4):329–342, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Langmaack:2008:DAI

- [1080] Hans Langmaack, Andrzej Salwicki, and Marek Warpechowski. A deterministic algorithm for identifying direct superclasses in Java. *Fundamenta Informaticae*, 85(1–4):343–357, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lomuscio:2008:LFM

- [1081] Alessio Lomuscio and Wojciech Penczek. LDYIS: a framework for model checking security protocols. *Fundamenta Informaticae*, 85(1–4):359–375, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Middelkoop:2008:SVI

- [1082] Ronald Middelkoop, Cornelis Huizing, Ruurd Kuiper, and Erik J. Luit. Specification and verification of invariants by exploiting layers in OO designs. *Fundamenta Informaticae*, 85(1–4):377–398, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mikulski:2008:PRM

- [1083] Lukasz Mikulski. Projection representation of Mazurkiewicz traces. *Fundamenta Informaticae*, 85(1–4):399–408, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nabialek:2008:TTP

- [1084] Wojciech Nabialek, Agata Janowska, and Paweł Janowski. Translation of timed Promela to timed automata with discrete data. *Fundamenta Informaticae*, 85(1–4):409–424, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Penczek:2008:SBU

- [1085] Wojciech Penczek and Maciej Szreter. SAT-based unbounded model checking of timed automata. *Fundamenta Informaticae*, 85(1–4):425–440, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Redziejowski:2008:SAP

- [1086] Roman R. Redziejowski. Some aspects of parsing expression grammar. *Fundamenta Informaticae*, 85(1–4):441–451, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Strzalka:2008:PSL

- [1087] Dominik Strzalka and Franciszek Grabowski. Processes in systems with limited resources in the context of non-extensive thermodynamics. *Fundamenta Informaticae*, 85(1–4):455–464, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Varpaaniemi:2008:MSQ

- [1088] Kimmo Varpaaniemi and Leo Ojala. Modelling and simulation of quantum teleportation and dense coding using predicate/transition-nets. *Fundamenta Informaticae*, 85(1–4):465–479, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Winkowski:2008:AFD

- [1089] Józef Winkowski. An algebraic framework for defining random concurrent behaviours. *Fundamenta Informaticae*, 85(1–4):481–496, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wolski:2008:DMI

- [1090] Marcin Wolski. Distance measures induced by finite approximation spaces and approximation operators. *Fundamenta Informaticae*, 85(1–4):497–512, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zbrzezny:2008:ITE

- [1091] Andrzej Zbrzezny. Improving the translation from ECTL to SAT. *Fundamenta Informaticae*, 85(1–4):513–531, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zbrzezny:2008:TVJ

- [1092] Andrzej Zbrzezny and Bożena Woźna. Towards verification of Java programs in perICS. *Fundamenta Informaticae*, 85(1–4):533–548, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zielosko:2008:GAA

- [1093] Beata Zielosko and Marcin Piliszczuk. Greedy algorithm for attribute reduction. *Fundamenta Informaticae*, 85(1–4):549–561, September 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bijak:2008:GAA

- [1094] Katarzyna Bijak. Genetic algorithms as an alternative method of parameter estimation and finding most likely sequences of states of hidden Markov chains for HMMs and hybrid HMM/ANN models. *Fundamenta Informaticae*, 86(1–2):1–17, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bloom:2008:PCI

- [1095] Stephen L. Bloom, Zoltan Ésik, and Werner Kuich. Partial Conway and iteration semirings. *Fundamenta Informaticae*, 86(1–2):19–40, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Denis:2008:RSL

- [1096] François Denis and Yann Esposito. On rational stochastic languages. *Fundamenta Informaticae*, 86(1–2):41–77, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dinu:2008:MCD

- [1097] Liviu P. Dinu and Marius Popescu. A multi-criteria decision method based on rank distance. *Fundamenta Informaticae*, 86(1–2):79–91, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hamzeh:2008:AAR

- [1098] Ali Hamzeh and Adel Rahmani. Approximating arbitrary reinforcement signal by learning classifier systems using micro genetic algorithm. *Fundamenta Informaticae*, 86(1–2):93–111, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hu:2008:GIH

- [1099] Yu-Chen Hu, Chih-Chiang Tsou, and Bing-Hwang Su. Grayscale image hiding based on modulus function and greedy method. *Fundamenta Informaticae*, 86(1–2):113–126, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jonoska:2008:ISJ

- [1100] Nataša Jonoska, Lila Kari, and Kalpana Mahalingam. Involution solid and join codes. *Fundamenta Informaticae*, 86(1–2):127–142, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Maji:2008:CAB

- [1101] Pradipta Maji. On characterization of attractor basins of fuzzy multiple attractor cellular automata. *Fundamenta Informaticae*, 86(1–2):143–168, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nadarajah:2008:NC

- [1102] Saralees Nadarajah. On the normalized cut. *Fundamenta Informaticae*, 86(1–2):169–173, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ramadoss:2008:MDV

- [1103] Balakrishnan Ramadoss and Kannan Rajkumar. Modeling the dance video semantics using regular tree automata. *Fundamenta Informaticae*, 86(1–2):175–189, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Terlikowski:2008:SII

- [1104] Tomasz Terlikowski. Some issues on inner structure of information. A definition of the decision making problem. *Fundamenta Informaticae*, 86(1–2):191–212, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tzacheva:2008:TBC

- [1105] Angelina A. Tzacheva and Li-Shiang Tsay. Tree-based construction of low-cost action rules. *Fundamenta Informaticae*, 86(1–2):213–225, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2008:FSI

- [1106] Anonymous. The fifth special issue on application of concurrency to system design. *Fundamenta Informaticae*, 86(3):??, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Esparza:2008:CCC

- [1107] Javier Esparza, Petr Jančar, and Alexander Miller. On the complexity of consistency and complete state coding for signal transition graphs. *Fundamenta Informaticae*, 86(3):227–253, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Juhas:2008:CSA

- [1108] Gabriel Juhás, Robert Lorenz, and Sebastian Mauser. Causal semantics of algebraic Petri nets distinguishing concurrency and Synchronicity. *Fundamenta Informaticae*, 86(3):255–298, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Khomenko:2008:REC

- [1109] Victor Khomenko, Agnes Madalinski, and Alex Yakovlev. Resolution of encoding conflicts by signal insertion and concurrency reduction based on STG unfoldings. *Fundamenta Informaticae*, 86(3):299–323, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Liu:2008:SAP

- [1110] Cong Liu, Alex Kondratyev, Yosinori Watanabe, Jörg Desel, and Alberto Sangiovanni-Vincentelli. Schedulability analysis of Petri nets based on structural properties. *Fundamenta Informaticae*, 86(3):325–341, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Seceleanu:2008:MCS

- [1111] Tiberiu Seceleanu and Axel Jantsch. Modeling communication with synchronized environments. *Fundamenta Informaticae*, 86(3):343–369, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Abdelli:2008:TBS

- [1112] Abdelkrim Abdelli and Nadjib Badache. Towards building the state class graph of the TSPN model. *Fundamenta Informaticae*, 86(4):371–409, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mukhopadhyay:2008:UPC

- [1113] Anirban Mukhopadhyay and Ujjwal Maulik. Unsupervised pixel classification in satellite imagery: A two-stage fuzzy clustering approach. *Fundamenta Informaticae*, 86(4):411–428, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chaitin:2008:HPW

- [1114] Gregory Chaitin. The halting probability via Wang tiles. *Fundamenta Informaticae*, 86(4):429–433, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chang:2008:HCD

- [1115] Chin-Chen Chang, Yung-Chen Chou, and The Duc Kieu. High capacity data hiding for grayscale images. *Fundamenta Informaticae*, 86(4):435–446, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chen:2008:SNI

- [1116] Chien-Chang Chen and Yu-Wei Chien. Sharing numerous images secretly with reduced possessing load. *Fundamenta Informaticae*, 86(4):447–458, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Drewes:2008:BCT

- [1117] Frank Drewes, Christine du Toit, Sigrid Ewert, Brink van der Merwe, and Andries van der Walt. Bag context tree grammars. *Fundamenta Informaticae*, 86(4):459–480, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ha:2008:DID

- [1118] Minghu Ha, Witold Pedrycz, Aiquan Zhang, and Yijun Fan. A development of inclusion-degree-based rough fuzzy random sets. *Fundamenta Informaticae*, 86(4):481–502, October 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2008:SIMa

- [1119] Anonymous. Special issue on membrane computing. *Fundamenta Informaticae*, 87(1):??, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2008:SIMb

- [1120] Anonymous. Special issue on membrane computing. *Fundamenta Informaticae*, 87(1):??, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ceterchi:2008:ISN

- [1121] Rodica Ceterchi and Alexandru Ioan Tomescu. Implementing sorting networks with spiking neural P systems. *Fundamenta Informaticae*, 87(1):35–48, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ciobanu:2008:CCS

- [1122] Gabriel Ciobanu and Andreas Resios. Computational complexity of simple P systems. *Fundamenta Informaticae*, 87(1):49–59, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Leporati:2008:SSS

- [1123] Alberto Leporati and Miguel A. Gutiérrez-Naranjo. Solving SUBSET SUM by spiking neural P systems with pre-computed resources. *Fundamenta Informaticae*, 87(1):61–77, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zandron:2008:CEP

- [1124] Claudio Zandron, Alberto Leporati, Claudio Ferretti, Giancarlo Mauri, and Mario J. Pérez-Jiménez. On the computational efficiency of polarizationless recognizer P systems with strong division and dissolution. *Fundamenta Informaticae*, 87(1):79–91, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zhang:2008:QIE

- [1125] Ge-Xiang Zhang, Marian Gheorghe, and Chao-Zhong Wu. A quantum-inspired evolutionary algorithm based on P systems for knapsack problem. *Fundamenta Informaticae*, 87(1):93–116, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zhang:2008:SUS

- [1126] Xingyi Zhang, Xiangxiang Zeng, and Linqiang Pan. Smaller universal spiking neural P systems. *Fundamenta Informaticae*, 87(1):117–136, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2008:CAT

- [1127] Anonymous. Cellular automata: Theory and application in artificial intelligence. *Fundamenta Informaticae*, 87(2):??, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ganguly:2008:ECS

- [1128] Niloy Ganguly, Biplab K. Sikdar, and P. Pal Chaudhuri. Exploring cycle structures of additive cellular automata. *Fundamenta Informaticae*, 87(2):137–154, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Umeo:2008:NTO

- [1129] Hiroshi Umeo and Hiroki Uchino. A new time-optimum synchronization algorithm for rectangle arrays. *Fundamenta Informaticae*, 87(2):155–164, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Flocchini:2008:RVC

- [1130] Paola Flocchini and Vladimir Cezar. Radial view of continuous cellular automata. *Fundamenta Informaticae*, 87(2):165–183, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Basu:2008:DTL

- [1131] Subhasree Basu and Sumita Basu. Different types of linear fuzzy cellular automata and their applications. *Fundamenta Informaticae*, 87(2):185–205, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bandini:2008:NGF

- [1132] Stefania Bandini, Leonardo Vanneschi, Andrew Wuensche, and Alessandro Bahgat Shehata. A neuro-genetic framework for pattern recognition in complex systems. *Fundamenta Informaticae*, 87(2):207–226, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moitra:2008:CAB

- [1133] Debashis Moitra, S. Dhar, J. M. Mallick, S. Sadhu, and Biplab K. SIKdar. Cellular automata based design of cost optimal steel building frames. *Fundamenta Informaticae*, 87(2):227–245, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Rongo:2008:LFH

- [1134] Rocco Rongo, William Spataro, Donato D’Ambrosio, Maria Vittoria Avolio, Giuseppe A. Trunfio, and Salvatore Di Gregorio. Lava flow hazard evaluation through cellular automata and genetic algorithms: an application to Mt. Etna volcano. *Fundamenta Informaticae*, 87(2):247–267, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Domaratzki:2008:CDB

- [1135] Michael Domaratzki. Characterizing DNA bond shapes using trajectories. *Fundamenta Informaticae*, 87(3–4):269–285, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fokkink:2008:TBB

- [1136] Wan Fokkink, Jun Pang, and Anton Wijs. Is timed branching bisimilarity a congruence indeed? *Fundamenta Informaticae*, 87(3–4):287–311, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hu:2008:NBR

- [1137] Yu-Chen Hu, Piyu Tsai, and Chun-Chi Lo. New bit reduction of vector quantization using block prediction and relative addressing. *Fundamenta Informaticae*, 87(3–4):313–329, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Juhas:2008:CPS

- [1138] Gabriel Juhás, Robert Lorenz, and Sebastian Mauser. Complete process semantics of Petri nets. *Fundamenta Informaticae*, 87(3–4):331–365, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Macia:2008:SME

- [1139] Hermenegilda Macià, Valentín Valero, Fernando Cuartero, and M. Carmen Ruiz. sPBC: A Markovian extension of Petri box calculus with immediate multiactions. *Fundamenta Informaticae*, 87(3–4):367–406, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Masopust:2008:DCP

- [1140] Tomáš Masopust and Alexander Meduna. On descriptive complexity of partially parallel grammars. *Fundamenta Informaticae*, 87(3–4):407–415, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mitra:2008:NPA

- [1141] Suman K. Mitra, Malay K. Kundu, C. A. Murthy, Bhargab B. Bhattacharya, and Tinku Acharya. A new probabilistic approach for fractal based image compression. *Fundamenta Informaticae*, 87(3–4):417–433, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Oprocha:2008:AAD

- [1142] Piotr Oprocha. Algorithmic approach to Devaney chaos in shift spaces. *Fundamenta Informaticae*, 87(3–4):435–446, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tsai:2008:FVC

- [1143] Piyu Tsai, Yu-Chen Hu, and Hsiu-Lien Yeh. Fast VQ codebook generation method using codeword stability check and finite state concept. *Fundamenta Informaticae*, 87(3–4):447–463, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Xiao:2008:AUS

- [1144] Kai Xiao, Sooi Hock Ho, and Aboul ella Hassanien. Automatic unsupervised segmentation methods for MRI based on modified fuzzy C -means. *Fundamenta Informaticae*, 87(3–4):465–481, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Yoon:2008:RUP

- [1145] Eun-Jun Yoon and Kee-Young Yoo. Robust user password change scheme based on the elliptic curve cryptosystem. *Fundamenta Informaticae*, 87(3–4):483–492, November 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Aceto:2008:CTB

- [1146] Luca Aceto, Wan Fokkink, and Anna Ingólfssdóttir. A cancellation theorem for BCCSP. *Fundamenta Informaticae*, 88(1–2):1–21, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chang:2008:ADE

- [1147] Chin-Chen Chang, Chia-Chen Lin, and Yi-Hui Chen. Adaptive data embedding scheme based on similar and dissimilar clustering strategies. *Fundamenta Informaticae*, 88(1–2):23–45, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chou:2008:LPD

- [1148] Yung-Chen Chou, Chin-Chen Chang, and Kuan-Ming Li. A large payload data embedding technique for color images. *Fundamenta Informaticae*, 88(1–2):47–61, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Damiani:2008:ATE

- [1149] Ferruccio Damiani, Elena Giachino, and Paola Giannini. Alias types and effects for “environment-aware” computations. *Fundamenta Informaticae*, 88(1–2):63–107, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Haghighi:2008:NC

- [1150] Hassan Haghighi and Seyed-Hassan Mirian-Hosseinabadi. Nondeterminism in constructive Z . *Fundamenta Informaticae*, 88(1–2):109–134, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hashemi:2008:CSF

- [1151] Sattar Hashemi, Mohammadreza Kangavari, and Ying Yang. Class specific fuzzy decision trees for mining high speed data streams. *Fundamenta Informaticae*, 88(1–2):135–160, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Maji:2008:SOF

- [1152] Pradipta Maji, Malay K. Kundu, and Bhabatosh Chanda. Second order fuzzy measure and weighted co-occurrence matrix for segmentation of brain MR images. *Fundamenta Informaticae*, 88(1–2):161–176, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Vyas:2008:GTI

- [1153] Vibha S. Vyas and Priti P. Rege. Geometric transform invariant texture analysis based on modified Zernike moments. *Fundamenta Informaticae*, 88(1–2):177–192, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Xiong:2008:ICS

- [1154] Hu Xiong, Zhiguang Qin, and Fagen Li. An improved certificateless signature scheme secure in the standard model. *Fundamenta Informaticae*, 88(1–2):193–206, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Yang:2008:NPE

- [1155] Zhanbo Yang. A new proof on embedding the category of proximity spaces into the category of nearness spaces. *Fundamenta Informaticae*, 88(1–2):207–223, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2008:P

- [1156] Anonymous. Preface. *Fundamenta Informaticae*, 88(3):??, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Boyer:2008:CEA

- [1157] Marc Boyer and Olivier H. Roux. On the compared expressiveness of arc, place and transition time Petri nets. *Fundamenta Informaticae*, 88(3):225–249, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lazic:2008:NTW

- [1158] Ranko Lazić, Tom Newcomb, Joël Ouaknine, A. W. Roscoe, and James Worrell. Nets with tokens which carry data. *Fundamenta Informaticae*, 88(3):251–274, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ganty:2008:MPF

- [1159] Pierre Ganty, Jean-François Raskin, and Laurent Van Begin. From many places to few: Automatic abstraction refinement for Petri nets. *Fundamenta Informaticae*, 88(3):275–305, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Koutny:2008:SEN

- [1160] Maciej Koutny and Marta Pietkiewicz-Koutny. Synthesis of elementary net systems with context arcs and localities. *Fundamenta Informaticae*, 88(3):307–328, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Rosa-Velardo:2008:NCV

- [1161] Fernando Rosa-Velardo and David de Frutos-Escrig. Name creation vs. replication in Petri net systems. *Fundamenta Informaticae*, 88(3):329–356, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Billington:2008:CPN

- [1162] Jonathan Billington and Somsak Vanit-Anunchai. Coloured Petri net modelling of an evolving Internet standard: the datagram congestion control protocol. *Fundamenta Informaticae*, 88(3):357–385, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

vanHee:2008:WPI

- [1163] Kees van Hee, Alexander Serebrenik, Natalia Sidorova, and Wil van der Aalst. Working with the past: Integrating history in Petri nets. *Fundamenta Informaticae*, 88(3):387–409, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2008:ACS

- [1164] Anonymous. Application of concurrency to system design, the sixth special issue. *Fundamenta Informaticae*, 88(4):??, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Beal:2008:HCT

- [1165] Frédéric Béal, Tomohiro Yoneda, and Chris J. Myers. Hazard checking of timed asynchronous circuits revisited. *Fundamenta Informaticae*, 88(4):411–435, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bergenthum:2008:SPN

- [1166] Robin Bergenthum, Jörg Desel, Robert Lorenz, and Sebastian Mauser. Synthesis of Petri nets from finite partial languages. *Fundamenta Informaticae*, 88(4):437–468, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Boucheneb:2008:MET

- [1167] Hanifa Boucheneb and Hind Rakkay. A more efficient time Petri net state space abstraction useful to model checking timed linear properties. *Fundamenta Informaticae*, 88(4):469–495, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cassez:2008:FDS

- [1168] Franck Cassez and Stavros Tripakis. Fault diagnosis with static and dynamic observers. *Fundamenta Informaticae*, 88(4):497–540, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Khomenko:2008:ODA

- [1169] Victor Khomenko, Mark Schaefer, and Walter Vogler. Output-determinacy and asynchronous circuit synthesis. *Fundamenta Informaticae*, 88(4):541–579, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sokolov:2008:ASD

- [1170] Danil Sokolov, Ivan Poliakov, and Alex Yakovlev. Analysis of static data flow structures. *Fundamenta Informaticae*, 88(4):581–610, December 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2008:PMR

- [1171] Anonymous. Progress on multi-relational data mining. *Fundamenta Informaticae*, 89(1):??, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

DeKnijf:2008:ECD

- [1172] Jeroen De Knijf and Ad Feelders. An experimental comparison of different inclusion relations in frequent tree mining. *Fundamenta Informaticae*, 89(1):1–22, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Esposito:2008:MDR

- [1173] Floriana Esposito, Nicola Di Mauro, Teresa M. A. Basile, and Stefano Ferilli. Multi-dimensional relational sequence mining. *Fundamenta Informaticae*, 89(1):23–43, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fonseca:2008:CHS

- [1174] Nuno A. Fonseca, Rui Camacho, Ricardo Rocha, and Vítor Santos Costa. Compile the hypothesis space: Do it once, use it often. *Fundamenta Informaticae*, 89(1):45–67, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Guo:2008:LSC

- [1175] Hongyu Guo and Herna L. Viktor. Learning from skewed class multi-relational databases. *Fundamenta Informaticae*, 89(1):69–94, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kuzelka:2008:RSE

- [1176] Ondřej Kuželka and Filip Železný. A restarted strategy for efficient subsumption testing. *Fundamenta Informaticae*, 89(1):95–109, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Landwehr:2008:RTB

- [1177] Niels Landwehr, Bernd Gutmann, Ingo Thon, Luc De Raedt, and Matthai Philipose. Relational transformation-based tagging for activity recognition. *Fundamenta Informaticae*, 89(1):111–129, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Meert:2008:LGC

- [1178] Wannes Meert, Jan Struyf, and Hendrik Blockeel. Learning ground CP-logic theories by leveraging Bayesian network learning techniques. *Fundamenta Informaticae*, 89(1):131–160, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cheng:2008:BAF

- [1179] Chien-Fu Cheng, Shu-Ching Wang, and Tyne Liang. Byzantine agreement & fault diagnosis agreement in dynamic ad-hoc environment. *Fundamenta Informaticae*, 89(2–3):161–187, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dembczynski:2008:EPW

- [1180] Krzysztof Dembczyński, Wojciech Kotłowski, and Marcin Sydow. Effective prediction of Web user behaviour with user-level models. *Fundamenta Informaticae*, 89(2–3):189–206, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fulop:2008:PMT

- [1181] Zoltán Fülöp and Loránd Muzamel. Pebble macro tree transducers with strong pebble handling. *Fundamenta Informaticae*, 89(2–3):207–257, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Grahne:2008:PRP

- [1182] Gösta Grahne, Alex Thomo, and William W. Wadge. Preferential regular path queries. *Fundamenta Informaticae*, 89(2–3):259–288, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jurdzinski:2008:BCG

- [1183] Tomasz Jurdziński. The Boolean closure of growing context-sensitive languages. *Fundamenta Informaticae*, 89(2–3):289–305, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Leivant:2008:LUM

- [1184] Daniel Leivant. Logical undecidabilities made easy. *Fundamenta Informaticae*, 89(2–3):307–312, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nepomniaschaya:2008:EII

- [1185] Anna Nepomniaschaya. Efficient implementation of the Italiano algorithms for updating the transitive closure on associative parallel proces-

sors. *Fundamenta Informaticae*, 89(2–3):313–329, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Saha:2008:PSL

- [1186] Indranil Saha, Bhargab B. Bhattacharya, Sheng Zhang, and Sharad C. Seth. Planar straight-line embedding of double-tree scan architecture on a rectangular grid. *Fundamenta Informaticae*, 89(2–3):331–344, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Svrcek:2008:ASS

- [1187] Filip Švrček. On the axiomatic system of SBL/ algebras. *Fundamenta Informaticae*, 89(2–3):345–368, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2008:FSE

- [1188] Anonymous. Fundamentals of software engineering 2007: Selected contributions. *Fundamenta Informaticae*, 89(4):??, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bruckner:2008:SA

- [1189] Ingo Brückner, Klaus Dräger, Bernd Finkbeiner, and Heike Wehrheim. Slicing abstractions. *Fundamenta Informaticae*, 89(4):369–392, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dashti:2008:NDP

- [1190] Mohammad Torabi Dashti, Srijith Krishnan Nair, and Hugo Jonker. Nuovo DRM paradiso: Designing a secure, verified, fair exchange DRM scheme. *Fundamenta Informaticae*, 89(4):393–417, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Abdulla:2008:UAO

- [1191] Parosh Aziz Abdulla, Johann Deneux, Joël Ouaknine, Karin Quaas, and James Worrell. Universality analysis for one-clock timed automata. *Fundamenta Informaticae*, 89(4):419–450, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bravetti:2008:FTC

- [1192] Mario Bravetti and Gianluigi Zavattaro. A foundational theory of contracts for multi-party service composition. *Fundamenta Informaticae*, 89(4):451–478, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bonchi:2008:UBE

- [1193] Filippo Bonchi, Antonio Brogi, Sara Corfini, and Fabio Gadducci. On the use of behavioural equivalences for Web services' development. *Fundamenta Informaticae*, 89(4):479–510, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Montangelo:2008:LBC

- [1194] Carlo Montangelo, Stephan Reiff-Marganiec, and Laura Semini. Logic-based conflict detection for distributed policies. *Fundamenta Informaticae*, 89(4):511–538, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hashemian:2008:LRA

- [1195] Seyyed Vahid Hashemian and Farhad Mavaddat. A logical reasoning approach to automatic composition of stateless components. *Fundamenta Informaticae*, 89(4):539–577, January 2008. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Champarnaud:2009:ECE

- [1196] Jean-Marc Champarnaud, Faissal Ouardi, and Djelloul Ziadi. An efficient computation of the equation K -automaton of a regular K -expression. *Fundamenta Informaticae*, 90(1–2):1–16, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chang:2009:FDI

- [1197] Chin-Chen Chang and Yung-Chen Chou. A fragile digital image authentication scheme inspired by wet paper codes. *Fundamenta Informaticae*, 90(1–2):17–26, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cirulis:2009:RSA

- [1198] Jānis Ārulis. Rough set algebras as description domains. *Fundamenta Informaticae*, 90(1–2):27–41, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ferilli:2009:GSF

- [1199] S. Ferilli, T. M. A. Basile, M. Biba, N. Di Mauro, and F. Esposito. A general similarity framework for Horn clause logic. *Fundamenta Informaticae*, 90(1–2):43–66, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Giesen:2009:AS

- [1200] Joachim Giesen, Eva Schuberth, and Miloš Stojaković. Approximate sorting. *Fundamenta Informaticae*, 90(1–2):67–72, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gorawski:2009:IST

- [1201] Marcin Gorawski and Adam Dyga. Indexing of spatio-temporal telemetric data based on adaptive multi-dimensional bucket index. *Fundamenta Informaticae*, 90(1–2):73–86, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Halas:2009:NAS

- [1202] Radomír Halaš. A note on axiom system for SBL^- -algebras. *Fundamenta Informaticae*, 90(1–2):87–92, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Han:2009:NSC

- [1203] Yo-Sub Han, Kai Salomaa, and Derick Wood. Nondeterministic state complexity of basic operations for prefix-free regular languages. *Fundamenta Informaticae*, 90(1–2):93–106, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Saha:2009:SSB

- [1204] Sriparna Saha and Sanghamitra Bandyopadhyay. Some symmetry based classifiers. *Fundamenta Informaticae*, 90(1–2):107–123, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wang:2009:NWA

- [1205] Chung-Chuan Wang, Chin-Chen Chang, and Jinn-Ke Jan. Novel watermarking authentication schemes for binary images based on dual-pair block pixel patterns. *Fundamenta Informaticae*, 90(1–2):125–155, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wang:2009:CLS

- [1206] Xia Wang and Wenxiu Zhang. Concept lattices of subcontexts of a context. *Fundamenta Informaticae*, 90(1–2):157–169, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Yao:2009:ESV

- [1207] Chih-Chia Yao, Pao-Ta Yu, and Ruo-Wei Hung. Extractive support vector algorithm on support vector machines for image restoration. *Funda-*

menta Informaticae, 90(1–2):171–190, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zhang:2009:NCS

- [1208] Leyou Zhang, Yupu Hu, and Qing Wu. New construction of short hierarchical ID-based signature in the standard model. *Fundamenta Informaticae*, 90(1–2):191–201, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wang:2009:PCIA

- [1209] Yingxu Wang, Du Zhang, and Shusaku Tsumoto. Preface: Cognitive informatics, cognitive computing, and their denotational mathematical foundations (i). *Fundamenta Informaticae*, 90(3):??, March 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wang:2009:DCI

- [1210] Yingxu Wang, Witold Kinsner, James A. Anderson, Du Zhang, Yiyu Yao, Philip Sheu, Jeffrey Tsai, Witold Pedrycz, Jean-Claude Latombe, Lotfi A. Zadeh, Dilip Patel, and Christine Chan. A doctrine of cognitive informatics (CI). *Fundamenta Informaticae*, 90(3):203–228, March 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

tenBosch:2009:CML

- [1211] Louis ten Bosch, Lou Boves, Hugo Van Hamme, and Roger K. Moore. A computational model of language acquisition: the emergence of words. *Fundamenta Informaticae*, 90(3):229–249, March 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tsumoto:2009:SID

- [1212] Shusaku Tsumoto and Shoji Hirano. Statistical independence and determinants in a contingency table — interpretation of Pearson residuals based on linear algebra. *Fundamenta Informaticae*, 90(3):251–267, March 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Peng:2009:DIE

- [1213] Jun Peng, Du Zhang, and Xiaofeng Liao. A digital image encryption algorithm based on hyper-chaotic cellular neural network. *Fundamenta Informaticae*, 90(3):269–282, March 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wang:2009:PDM

- [1214] Yingxu Wang. Paradigms of denotational mathematics for cognitive informatics and cognitive computing. *Fundamenta Informaticae*, 90(3):283–303, March 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Llana:2009:TSR

- [1215] Luis Llana and Manuel Núñez. Testing semantics for RTPA. *Fundamenta Informaticae*, 90(3):305–335, March 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kamandi:2009:CMB

- [1216] Ali Kamandi and Jafar Habibi. A comparison of metric-based and empirical approaches for cognitive analysis of modeling languages. *Fundamenta Informaticae*, 90(3):337–352, March 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wang:2009:PCIB

- [1217] Yingxu Wang, Du Zhang, and Shusaku Tsumoto. Preface: Cognitive informatics, cognitive computing, and their denotational mathematical foundations (II). *Fundamenta Informaticae*, 90(4):??, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wang:2009:FSN

- [1218] Yingxu Wang. A formal syntax of natural languages and the deductive grammar. *Fundamenta Informaticae*, 90(4):353–368, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Abe:2009:IAC

- [1219] Hidenao Abe and Shusaku Tsumoto. Investigating accuracies of classifications for randomized imbalanced class distributions. *Fundamenta Informaticae*, 90(4):369–378, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kwolek:2009:OSV

- [1220] Bogdan Kwolek. Object segmentation in video via graph cut built on superpixels. *Fundamenta Informaticae*, 90(4):379–393, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wang:2009:DOD

- [1221] Guoyin Wang and Yan Wang. 3DM: Domain-oriented data-driven data mining. *Fundamenta Informaticae*, 90(4):395–426, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Tsumoto:2009:CMT

- [1222] Shusaku Tsumoto and Shoji Hirano. Contingency matrix theory II: Degree of dependence as granularity. *Fundamenta Informaticae*, 90(4):427–442, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wang:2009:TFM

- [1223] Yingxu Wang. Toward formal models of the theoretical framework of fundamental economics. *Fundamenta Informaticae*, 90(4):443–459, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2009:Pa

- [1224] Anonymous. Preface. *Fundamenta Informaticae*, 91(1):??, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Alhazov:2009:NEP

- [1225] Artiom Alhazov, Carlos Martín-Vide, Bianca Truthe, Jürgen Dassow, and Yurii Rogozhin. On networks of evolutionary processors with nodes of two types. *Fundamenta Informaticae*, 91(1):1–15, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Alhazov:2009:PHM

- [1226] Artiom Alhazov, Marion Oswald, Rudolf Freund, and Sergey Verlan. Partial halting and minimal parallelism based on arbitrary rule partitions. *Fundamenta Informaticae*, 91(1):17–34, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Baumeister:2009:SPR

- [1227] Dorothea Baumeister and Jörg Rothe. Satisfiability parsimoniously reduces to the TantrixTM rotation puzzle problem. *Fundamenta Informaticae*, 91(1):35–51, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Burgin:2009:UTM

- [1228] Mark Burgin and Eugene Eberbach. Universality for Turing machines, inductive Turing machines and evolutionary algorithms. *Fundamenta In-*

formaticae, 91(1):53–77, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fisher:2009:SM

- [1229] John Fisher and Marc Bezem. Skolem machines. *Fundamenta Informaticae*, 91(1):79–103, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gruber:2009:MSH

- [1230] Hermann Gruber, Markus Holzer, and Martin Kutrib. More on the size of Higman–Haines sets: Effective constructions. *Fundamenta Informaticae*, 91(1):105–121, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Neary:2009:FSU

- [1231] Turlough Neary and Damien Woods. Four small universal Turing machines. *Fundamenta Informaticae*, 91(1):123–144, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Subramanian:2009:ASC

- [1232] K. G. Subramanian, Rosihan M. Ali, Atulya K. Nagar, and Maurice Margenstern. Array P systems and t -communication. *Fundamenta Informaticae*, 91(1):145–159, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Umeo:2009:SFS

- [1233] Hiroshi Umeo and Takashi Yanagihara. A small five-state non-optimum-time solution to the firing squad synchronization problem. *Fundamenta Informaticae*, 91(1):161–178, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Woods:2009:SSW

- [1234] Damien Woods and Turlough Neary. Small semi-weakly universal Turing machines. *Fundamenta Informaticae*, 91(1):179–195, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2009:Pb

- [1235] Anonymous. Preface. *Fundamenta Informaticae*, 91(2):??, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Arrighi:2009:IUO

- [1236] Pablo Arrighi, Renan Fargetton, and Zizhu Wang. Intrinsically universal one-dimensional quantum cellular automata in two flavours. *Fundamenta*

Informaticae, 91(2):197–230, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bertoni:2009:CUT

- [1237] Alberto Bertoni, Massimiliano Goldwurm, and Violetta Lonati. The complexity of unary tiling recognizable picture languages: Nondeterministic and unambiguous cases. *Fundamenta Informaticae*, 91(2):231–249, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bliudze:2009:MCS

- [1238] Simon Bliudze and Daniel Kroh. Modelling of complex systems: Systems as dataflow machines. *Fundamenta Informaticae*, 91(2):251–274, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bozga:2009:FPC

- [1239] Marius Bozga, Radu Iosif, and Yassine Lakhnech. Flat parametric counter automata. *Fundamenta Informaticae*, 91(2):275–303, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Finkel:2009:HUP

- [1240] Olivier Finkel. Highly undecidable problems about recognizability by tiling systems. *Fundamenta Informaticae*, 91(2):305–323, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Friedl:2009:QTH

- [1241] Katalin Friedl, Miklos Santha, Frédéric Magniez, and Pranab Sen. Quantum testers for hidden group properties. *Fundamenta Informaticae*, 91(2):325–340, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Istrate:2009:DSB

- [1242] Gabriel Istrate. On the dynamics of social balance on general networks (with an application to XOR-SAT). *Fundamenta Informaticae*, 91(2):341–356, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lippi:2009:UHI

- [1243] Sylvain Lippi. Universal hard interaction for clockless computation. *Fundamenta Informaticae*, 91(2):357–394, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lisitsa:2009:CPQ

- [1244] Alexei Lisitsa and Igor Potapov. On the computational power of querying the history. *Fundamenta Informaticae*, 91(2):395–409, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Stewart:2009:PSQ

- [1245] Iain A. Stewart. Program schemes, queues, the recursive spectrum and zero-one laws. *Fundamenta Informaticae*, 91(2):411–435, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

terBeek:2009:AIS

- [1246] Maurice H. ter Beek and Jetty Kleijn. Associativity of infinite synchronized shuffles and team automata. *Fundamenta Informaticae*, 91(3–4):437–461, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bernot:2009:BPB

- [1247] Gilles Bernot and Fariza Tahi. Behaviour preservation of a biological regulatory network when embedded into a larger network. *Fundamenta Informaticae*, 91(3–4):463–485, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bhowmick:2009:RPC

- [1248] Partha Bhowmick and Bhargab B. Bhattacharya. Real polygonal covers of digital discs — some theories and experiments. *Fundamenta Informaticae*, 91(3–4):487–505, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Damasevicius:2009:ACG

- [1249] Robertas Damaševičius. Analysis of components for generalization using multidimensional scaling. *Fundamenta Informaticae*, 91(3–4):507–522, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gao:2009:FIO

- [1250] Chong zhi Gao and Zheng an Yao. A further improved online/offline signature scheme. *Fundamenta Informaticae*, 91(3–4):523–532, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gillibert:2009:HGL

- [1251] Luc Gillibert and Alain Bretto. Hypergraphs for generic lossless image compression. *Fundamenta Informaticae*, 91(3–4):533–546, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hristea:2009:ASD

- [1252] Florentina Hristea and Marius Popescu. Adjective sense disambiguation at the border between unsupervised and knowledge-based techniques. *Fundamenta Informaticae*, 91(3–4):547–562, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Huang:2009:FVC

- [1253] Chang-Chin Huang, Du-Shiau Tsai, and Gwoboa Horng. A fast VQ codebook generation algorithm based on Otsu histogram threshold. *Fundamenta Informaticae*, 91(3–4):563–579, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lin:2009:RDH

- [1254] Ching-Chiuan Lin, Shun-Ping Yang, and Nien-Lin Hsueh. Reversible data hiding based on three-circular-pixel difference expansion. *Fundamenta Informaticae*, 91(3–4):581–595, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lu:2009:IHS

- [1255] Tzu-Chuen Lu, Chin-Chen Chang, and Yi-Long Liu. An information-hiding scheme based on quantization-based embedding technique. *Fundamenta Informaticae*, 91(3–4):597–610, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moreira:2009:SPA

- [1256] Nelma Moreira and Rogério Reis. Series-parallel automata and short regular expressions. *Fundamenta Informaticae*, 91(3–4):611–629, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mu:2009:HID

- [1257] Kedian Mu, Weiru Liu, Zhi Jin, Ruqian Lu, Anbu Yue, and David Bell. Handling inconsistency in distributed software requirements specifications based on prioritized merging. *Fundamenta Informaticae*, 91(3–4):631–670, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bouyer:2009:URT

- [1258] Patricia Bouyer, Serge Haddad, and Pierre-Alain Reynier. Undecidability results for timed automata with silent transitions. *Fundamenta Informaticae*, 92(1–2):1–25, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chang:2009:PCC

- [1259] Chin-Chen Chang, Tzung-Her Chen, and Li-Jen Liu. Preventing cheating in computational visual cryptography. *Fundamenta Informaticae*, 92(1–2):27–42, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Czerniak:2009:EAD

- [1260] Jacek Czerniak. Evolutionary approach to data discretization for rough sets theory. *Fundamenta Informaticae*, 92(1–2):43–61, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Fredriksson:2009:SRA

- [1261] Kimmo Fredriksson and Fedor Nikitin. Simple random access compression. *Fundamenta Informaticae*, 92(1–2):63–81, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hartmann:2009:IWM

- [1262] Sven Hartmann and Sebastian Link. On inferences of weak multivalued dependencies. *Fundamenta Informaticae*, 92(1–2):83–102, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hogberg:2009:BMW

- [1263] Johanna Högberg, Andreas Maletti, and Heiko Vogler. Bisimulation minimisation of weighted automata on unranked trees. *Fundamenta Informaticae*, 92(1–2):103–130, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hung:2009:FBA

- [1264] Kuo Lung Hung and Shin-Wei He. Feature based affine invariant watermarking robust to geometric distortions. *Fundamenta Informaticae*, 92(1–2):131–143, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Verma:2009:CNF

- [1265] Rakesh Verma. Complexity of normal form properties and reductions for term rewriting problems complexity of normal form properties and

reductions for term rewriting problems. *Fundamenta Informaticae*, 92(1–2):145–168, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Waszkiewicz:2009:DTG

- [1266] Paweł Waszkiewicz. On domain theory over Girard quantales. *Fundamenta Informaticae*, 92(1–2):169–192, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Foustoucos:2009:MSO

- [1267] Eugénie Foustoucos and Labrini Kalantzi. The monadic second-order logic evaluation problem on finite colored trees: a database-theoretic approach. *Fundamenta Informaticae*, 92(3):193–231, June 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Holscher:2009:AUM

- [1268] Karsten Holscher, Hans-Jörg Kreowski, and Sabine Kuske. Autonomous units to model interacting sequential and parallel processes. *Fundamenta Informaticae*, 92(3):233–257, June 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moshkov:2009:GAC

- [1269] Mikhail Ju. Moshkov, Marcin Piliszczuk, and Beata Zielosko. Greedy algorithm for construction of partial association rules. *Fundamenta Informaticae*, 92(3):259–277, June 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sroka:2009:TFSa

- [1270] Jacek Sroka and Jan Hidders. Towards a formal semantics for the process model of the Taverna Workbench. Part I. *Fundamenta Informaticae*, 92(3):279–299, June 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Yinbin:2009:PPC

- [1271] Lei Yinbin and Luo Maokang. A proof of Plotkin’s conjecture. *Fundamenta Informaticae*, 92(3):301–306, June 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Conradie:2009:ACC

- [1272] Willem Conradie, Valentin Goranko, and Dimiter Vakarelov. Algorithmic correspondence and completeness in modal logic. III. Extensions of the algorithm SQEMA with substitutions. *Fundamenta Informaticae*, 92(4):

307–343, June 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Halder:2009:APD

- [1273] Anindya Halder, Ashish Ghosh, and Susmita Ghosh. Aggregation pheromone density based pattern classification. *Fundamenta Informaticae*, 92(4):345–362, June 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Spatharis:2009:CTB

- [1274] Anthony Spatharis, Ilias Foudalis, Martha Sideri, and Christos Papadimitriou. Comparing trade-off based models of the Internet. *Fundamenta Informaticae*, 92(4):363–372, June 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Sroka:2009:TFSb

- [1275] Jacek Sroka and Jan Hidders. Towards a formal semantics for the process model of the Taverna Workbench. Part II. *Fundamenta Informaticae*, 92(4):373–396, June 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Yang:2009:CLW

- [1276] Cheng-Hsing Yang, Chi-Yao Weng, Shiuh-Jeng Wang, and Hung-Min Sun. Codebook-linked watermarking scheme for digital images. *Fundamenta Informaticae*, 92(4):397–409, June 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zhong:2009:DA

- [1277] Sheng Zhong. On distributed k -anonymization. *Fundamenta Informaticae*, 92(4):411–431, June 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2009:CSP

- [1278] Anonymous. Concurrency specification and programming (CS&P). *Fundamenta Informaticae*, 93(1–3):??, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Balicki:2009:FDX

- [1279] Krzysztof Balicki and Marcin Szpyrka. Formal definition of XCCS modelling language. *Fundamenta Informaticae*, 93(1–3):1–15, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Barbuti:2009:STD

- [1280] Roberto Barbuti, Andrea Maggiolo-Schettini, Paolo Milazzo, and Simone Tini. *P* systems with transport and diffusion membrane channels. *Fundamenta Informaticae*, 93(1–3):17–31, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Barylska:2009:LPP

- [1281] Kamila Barylska and Edward Ochmański. Levels of persistency in place/transition nets. *Fundamenta Informaticae*, 93(1–3):33–43, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bellia:2009:JSI

- [1282] Marco Bellia and M. Eugenia Occhiuto. JavaΩ: The structures and the implementation of a preprocessor for Java with *m* and *mc* parameters. *Fundamenta Informaticae*, 93(1–3):45–64, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Budzynska:2009:PSA

- [1283] Katarzyna Budzyńska, Magdalena Kacprzak, and Paweł Rembelski. Perseus. Software for analyzing persuasion process. *Fundamenta Informaticae*, 93(1–3):65–79, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bulling:2009:WAC

- [1284] Nils Bulling and Wojciech Jamroga. What agents can probably enforce. *Fundamenta Informaticae*, 93(1–3):81–96, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Czaja:2009:ASN

- [1285] Ludwik Czaja and Manfred Kudlek. Analysis and synthesis of net structures and transition graphs. *Fundamenta Informaticae*, 93(1–3):97–110, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Doroshenko:2009:UOA

- [1286] Anatoliy Doroshenko and Olena Yatsenko. Using ontologies and algebra of algorithms for formalized development of parallel programs. *Fundamenta Informaticae*, 93(1–3):111–125, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gribovskaya:2009:TDB

- [1287] Natalya Gribovskaya and Irina Virbitskaite. Timed delay bisimulation is an equivalence relation for timed transition systems. *Fundamenta Informaticae*, 93(1–3):127–142, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Grochowalski:2009:OOR

- [1288] Piotr Grochowalski and Krzysztof Pancierz. The outline of an ontology for the rough set theory and its applications. *Fundamenta Informaticae*, 93(1–3):143–154, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gruska:2009:QST

- [1289] Damas P. Gruska. Quantifying security for timed process algebras. *Fundamenta Informaticae*, 93(1–3):155–169, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

vanHee:2009:GDT

- [1290] Kees M. van Hee, Natalia Sidorova, Marc Voorhoeve, and Jan Martijn van der Werf. Generation of database transactions with Petri nets. *Fundamenta Informaticae*, 93(1–3):171–184, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Jakubowska:2009:SSP

- [1291] Gizela Jakubowska, Piotr Dembiński, Wojciech Penczek, and Maciej Szreter. Simulation of security protocols based on scenarios of attacks. *Fundamenta Informaticae*, 93(1–3):185–203, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kohler-Bussmeier:2009:ECC

- [1292] Michael Kohler-Bußmeier and Frank Heitmann. On the expressiveness of communication channels for object nets. *Fundamenta Informaticae*, 93(1–3):205–219, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kudlek:2009:MPA

- [1293] Manfred Kudlek, Patrick Totzke, and Georg Zetsche. Multiset push-down automata. *Fundamenta Informaticae*, 93(1–3):221–233, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kudlek:2009:PML

- [1294] Manfred Kudlek, Patrick Totzke, and Georg Zetsche. Properties of multiset language classes defined by multiset pushdown automata. *Fundamenta Informaticae*, 93(1–3):235–244, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kurkowski:2009:TAB

- [1295] Mirosław Kurkowski and Wojciech Penczek. Timed automata based model checking of timed security protocols. *Fundamenta Informaticae*, 93(1–3):245–259, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moshkov:2009:MIR

- [1296] Mikhail Ju. Moshkov, Andrzej Skowron, and Zbigniew Suraj. On minimal inhibitory rules for almost all k -valued information systems. *Fundamenta Informaticae*, 93(1–3):261–272, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Nguyen:2009:ETP

- [1297] Linh Anh Nguyen. An efficient tableau prover using global caching for the description logic ALC. *Fundamenta Informaticae*, 93(1–3):273–288, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Niewiadomski:2009:NAM

- [1298] Artur Niewiadomski, Wojciech Penczek, and Maciej Szreter. A new approach to model checking of UML state machines. *Fundamenta Informaticae*, 93(1–3):289–303, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Rataj:2009:TJP

- [1299] Artur Rataj, Bożena Woźna, and Andrzej Zbrzezny. A translator of Java programs to TADDs. *Fundamenta Informaticae*, 93(1–3):305–324, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Redziejowski:2009:ACC

- [1300] Roman R. Redziejowski. Applying classical concepts to parsing expression grammar. *Fundamenta Informaticae*, 93(1–3):325–336, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wegener:2009:PNT

- [1301] Jan-Thierry Wegener and Louchka Popova-Zeugmann. Petri nets with time windows: A comparison to classical Petri nets. *Fundamenta Informaticae*, 93(1–3):337–352, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Czelakowski:2009:AEC

- [1302] Janusz Czelakowski. AC is equivalent to the coherence principle. Corrigendum to my paper “Induction Principles for Sets”. *Fundamenta Informaticae*, 93(4):353–356, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic). See [953].

Dinu:2009:IGM

- [1303] Liviu P. Dinu. On insertion grammars with maximum parallel derivation. *Fundamenta Informaticae*, 93(4):357–369, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

vanGlabbeek:2009:BBE

- [1304] Rob van Glabbeek, Bas Luttik, and Nikola Trčka. Branching bisimilarity with explicit divergence. *Fundamenta Informaticae*, 93(4):371–392, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lei:2009:NSR

- [1305] Yuxia Lei, Yuefei Sui, and Cungen Cao. Normalized-scale relations and their concept lattices in relational databases. *Fundamenta Informaticae*, 93(4):393–409, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Paszynski:2009:PSAa

- [1306] Maciej Paszyński. On the parallelization of self-adaptive *hp*-finite element methods Part I. Composite programmable graph grammar model. *Fundamenta Informaticae*, 93(4):411–434, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Paszynski:2009:PSAb

- [1307] Maciej Paszyński. On the parallelization of self-adaptive *hp*-finite element methods Part II. Partitioning communication agglomeration mapping (PCAM) analysis. *Fundamenta Informaticae*, 93(4):435–457, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zhang:2009:NAO

- [1308] Ling Zhang, Fu gui He, Yan ping Zhang, and Shu Zhao. A new algorithm for optimal path finding in complex networks based on the quotient space. *Fundamenta Informaticae*, 93(4):459–469, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Barbuti:2009:TA

- [1309] Roberto Barbuti, Andrea Maggiolo-Schettini, Paolo Milazzo, and Luca Tesei. Timed P automata. *Fundamenta Informaticae*, 94(1):1–19, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gore:2009:CTM

- [1310] Rajeev Goré and Linh Anh Nguyen. Clausal tableaux for multimodal logics of belief. *Fundamenta Informaticae*, 94(1):21–40, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kondo:2009:APG

- [1311] Michiro Kondo. Algebraic properties of generalized rough sets. *Fundamenta Informaticae*, 94(1):41–48, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Madalinska-Bugaj:2009:FOG

- [1312] Ewa Madalińska-Bugaj and Witold Lukaszewicz. First-order generalization of the MPMA belief update operator. *Fundamenta Informaticae*, 94(1):49–61, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Margenstern:2009:IGF

- [1313] Maurice Margenstern. The injectivity of the global function of a cellular automaton in the hyperbolic plane is undecidable. *Fundamenta Informaticae*, 94(1):63–99, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Moshkov:2009:GAW

- [1314] Mikhail Ju. Moshkov, Marcin Piliszczu, and Beata Zielosko. Greedy algorithms with weights for construction of partial association rules. *Fundamenta Informaticae*, 94(1):101–120, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2009:FKT

- [1315] Anonymous. Fundamentals of knowledge technology. *Fundamenta Informaticae*, 94(2):??, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Blajdo:2009:ECS

- [1316] Piotr Blajdo, Zdzisław S. Hippe, Teresa Mroczek, Jerzy W. Grzymala-Busse, Maksymilian Knap, and Lukasz Piatek. An extended comparison of six approaches to discretization — a rough set approach. *Fundamenta Informaticae*, 94(2):121–131, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chan:2009:DBR

- [1317] Chien-Chung Chan and Gwo-Hshiung Tzeng. Dominance-based rough sets using indexed blocks as granules. *Fundamenta Informaticae*, 94(2):133–146, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ciucci:2009:AAF

- [1318] Davide Ciucci. Approximation algebra and framework. *Fundamenta Informaticae*, 94(2):147–161, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dembczynski:2009:LRE

- [1319] Krzysztof Dembczyński, Wojciech Kotłowski, and Roman Słowiński. Learning rule ensembles for ordinal classification with monotonicity constraints. *Fundamenta Informaticae*, 94(2):163–178, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gong:2009:SIB

- [1320] Xun Gong, Guoyin Wang, and Lili Xiong. Single 2D image-based 3D face reconstruction and its application in pose estimation. *Fundamenta Informaticae*, 94(2):179–195, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Janicki:2009:PCB

- [1321] Ryszard Janicki. Pairwise comparisons based non-numerical ranking. *Fundamenta Informaticae*, 94(2):197–217, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Li:2009:TPM

- [1322] Huaxiong Li, Yiyu Yao, Xianzhong Zhou, and Bing Huang. A two-phase model for learning rules from incomplete data. *Fundamenta Informaticae*, 94(2):219–232, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lingras:2009:SSR

- [1323] Pawan Lingras, Min Chen, and Duoqian Miao. Semi-supervised rough cost/benefit decisions. *Fundamenta Informaticae*, 94(2):233–244, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Liu:2009:IAI

- [1324] Dun Liu, Tianrui Li, Da Ruan, and Weili Zou. An incremental approach for inducing knowledge from dynamic information systems. *Fundamenta Informaticae*, 94(2):245–260, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Song:2009:ICT

- [1325] Jing Song, Tianrui Li, and Da Ruan. An integration of cloud transform and rough set theory to induction of decision trees. *Fundamenta Informaticae*, 94(2):261–273, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2009:FIP

- [1326] Anonymous. Fundamenta Informaticae (2009) Petri Nets 2008. *Fundamenta Informaticae*, 94(3–4):??, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Darondeau:2009:SNS

- [1327] Philippe Darondeau, Maciej Koutny, Marta Pietkiewicz-Koutny, and Alex Yakovlev. Synthesis of nets with step firing policies. *Fundamenta Informaticae*, 94(3–4):275–303, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bonchi:2009:NBA

- [1328] Filippo Bonchi, Antonio Brogi, Sara Corfini, and Fabio Gadducci. A net-based approach to Web services publication and replaceability. *Fundamenta Informaticae*, 94(3–4):305–330, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bergenthum:2009:USP

- [1329] Robin Bergenthum, Sebastian Mauser, Robert Lorenz, and Gabriel Juhas. Unfolding semantics of Petri nets based on token flows. *Fundamenta Informaticae*, 94(3–4):331–360, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kristensen:2009:MVS

- [1330] Lars M. Kristensen and Paul Fleischer. Modelling and validation of secure connection establishment in a generic access network scenario. *Fundamenta Informaticae*, 94(3–4):361–386, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

vanderWerf:2009:PDU

- [1331] J. M. E. M. van derWerf, B. F. van Dongen, C. A. J. Hurkens, and A. Serebrenik. Process discovery using integer linear programming. *Fundamenta Informaticae*, 94(3–4):387–412, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hamez:2009:BEM

- [1332] Alexandre Hamez, Yann Thierry-Mieg, and Fabrice Kordon. Building efficient model checkers using hierarchical set decision diagrams and automatic saturation. *Fundamenta Informaticae*, 94(3–4):413–437, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Meyer:2009:PAV

- [1333] Roland Meyer, Victor Khomenko, and Tim Strazny. A practical approach to verification of mobile systems using net unfoldings. *Fundamenta Informaticae*, 94(3–4):439–471, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2009:ACS

- [1334] Anonymous. Application of concurrency to system design, the seventh special issue. *Fundamenta Informaticae*, 95(1):??, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Wist:2009:AIC

- [1335] Dominic Wist, Ralf Wollowski, Mark Schaefer, and Walter Vogler. Avoiding irreducible CSC conflicts by internal communication. *Fundamenta Informaticae*, 95(1):1–29, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Toosizadeh:2009:ACA

- [1336] Navid Toosizadeh and Safwat G. Zaky. Application of concurrency in the asynchronous design of write-after-read operations. *Fundamenta Informaticae*, 95(1):31–52, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Yang:2009:TMA

- [1337] Shufan Yang, Steve B. Furber, Yebin Shi, and Luis A. Plana. A token-managed admission control system for QoS provision on a best-effort GALS interconnect. *Fundamenta Informaticae*, 95(1):53–72, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Guidi:2009:DEH

- [1338] Claudio Guidi, Ivan Lanese, Fabrizio Montesi, and Gianluigi Zavattaro. Dynamic error handling in service oriented applications. *Fundamenta Informaticae*, 95(1):73–102, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Meng:2009:QDS

- [1339] Sun Meng and Farhad Arbab. QoS-driven service selection and composition using quantitative constraint automata. *Fundamenta Informaticae*, 95(1):103–128, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hahn:2009:TBM

- [1340] E. Moritz Hahn, Holger Hermanns, Björn Wachter, and Lijun Zhang. Time-bounded model checking of infinite-state continuous-time Markov chains. *Fundamenta Informaticae*, 95(1):129–155, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Markovski:2009:PED

- [1341] Jasen Markovski and Erik P. de Vink. Performance evaluation of distributed systems based on a discrete real- and stochastic-time process algebra. *Fundamenta Informaticae*, 95(1):157–186, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bergenthum:2009:SPN

- [1342] Robin Bergenthum, Jörg Desel, Sebastian Mauser, and Robert Lorenz. Synthesis of Petri nets from term based representations of infinite partial languages. *Fundamenta Informaticae*, 95(1):187–217, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Madalinski:2009:MCF

- [1343] Agnes Madalinski and Eric Fabre. Modular construction of finite and complete prefixes of Petri net unfoldings. *Fundamenta Informaticae*, 95(1):219–244, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Amirani:2009:ETA

- [1344] Mehdi Chehel Amirani and Ali Asghar Beheshti Shirazi. Evaluation of the texture analysis using spectral correlation function. *Fundamenta Informaticae*, 95(2–3):245–262, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Byrski:2009:SME

- [1345] Aleksander Byrski and Robert Schaefer. Stochastic model of evolutionary and immunological multi-agent systems: Mutually exclusive actions. *Fundamenta Informaticae*, 95(2–3):263–285, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Finkel:2009:RTL

- [1346] Olivier Finkel and Pierre Simonnet. On recognizable tree languages beyond the Borel hierarchy. *Fundamenta Informaticae*, 95(2–3):287–303, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mirkowska:2009:VCC

- [1347] Grażyna Mirkowska, Andrzej Salwicki, and Oskar Świda. Verifying a class: combining testing and proving. *Fundamenta Informaticae*, 95(2–3):305–324, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Schaefer:2009:SME

- [1348] Robert Schaefer, Aleksander Byrski, and Maciej Smółka. Stochastic model of evolutionary and immunological multi-agent systems: Parallel execution of local actions. *Fundamenta Informaticae*, 95(2–3):325–348, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Trojanowski:2009:PQP

- [1349] Krzysztof Trojanowski. Properties of quantum particles in multi-swarms for dynamic optimization. *Fundamenta Informaticae*, 95(2–3):349–380, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Vagvolgyi:2009:CGE

- [1350] Sándor Vágvolgyi. Congruences generated by extended ground term rewrite systems. *Fundamenta Informaticae*, 95(2–3):381–399, April 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2009:SI

- [1351] Anonymous. Swarm intelligence. *Fundamenta Informaticae*, 95(4):??, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chakraborty:2009:IHS

- [1352] Prithwish Chakraborty, Gourab Ghosh Roy, Swagatam Das, Dhaval Jain, and Ajith Abraham. An improved harmony search algorithm with differential mutation operator. *Fundamenta Informaticae*, 95(4):401–426, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Cui:2009:IPS

- [1353] Zhihua Cui and Xingjuan Cai. Integral particle swarm optimization with dispersed accelerator information. *Fundamenta Informaticae*, 95(4):427–447, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kwolek:2009:PSO

- [1354] Bogdan Kwolek. Particle swarm optimization based object tracking. *Fundamenta Informaticae*, 95(4):449–463, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Liu:2009:MSA

- [1355] Hongbo Liu, Ajith Abraham, and Zuwen Wang. A multi-swarm approach to multi-objective flexible job-shop scheduling problems. *Fundamenta Informaticae*, 95(4):465–489, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Liu:2009:RCP

- [1356] Ming-Tsung Liu and Pao-Ta Yu. Robust candidate pruning approach based on the PSO-SVM for fast corner detection with noise tolerance in gray-level images. *Fundamenta Informaticae*, 95(4):491–510, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Pant:2009:LDI

- [1357] Millie Pant, Radha Thangaraj, and Ajith Abraha. Low discrepancy initialized particle swarm optimization for solving constrained optimization problems. *Fundamenta Informaticae*, 95(4):511–531, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ramanna:2009:MRB

- [1358] Sheela Ramanna and Amir H. Meghdadi. Measuring resemblances between swarm behaviours: A perceptual tolerance near set approach. *Fundamenta Informaticae*, 95(4):533–552, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bandyopadhyay:2009:MLD

- [1359] Sanghamitra Bandyopadhyay and Malay Bhattacharyya. Mining the largest dense vertexlet in a weighted scale-free graph. *Fundamenta Informaticae*, 96(1–2):1–25, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bergstra:2009:ISD

- [1360] Jan A. Bergstra and Cornelis A. Middelburg. Instruction sequences with dynamically instantiated instructions. *Fundamenta Informaticae*, 96(1–2):27–48, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chan:2009:ULM

- [1361] Chi-Shiang Chan. On using LSB matching function for data hiding in pixels. *Fundamenta Informaticae*, 96(1–2):49–59, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Chen:2009:FCV

- [1362] Tzung-Her Chen, Kai-Hsiang Tsao, and Yan-Ting Yang. Friendly color visual secret sharing by random grids. *Fundamenta Informaticae*, 96(1–2):61–70, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Dassow:2009:SMC

- [1363] Jürgen Dassow, Gema M. Martín, and Francisco J. Vico. A similarity measure for cyclic unary regular languages. *Fundamenta Informaticae*, 96(1–2):71–88, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Janodet:2009:BCB

- [1364] Jean-Christophe Janodet, Marc Sebban, and Henri-Maxime Suchier. Boosting classifiers built from different subsets of features. *Fundamenta Informaticae*, 96(1–2):89–109, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Koutras:2009:MEA

- [1365] Costas D. Koutras and Yorgos Zikos. On a modal epistemic axiom emerging from McDermott–Doyle logics. *Fundamenta Informaticae*, 96(1–2):111–125, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Lanotte:2009:DPL

- [1366] Ruggero Lanotte and Danièle Beauquier. A decidable probability logic for timed probabilistic systems. *Fundamenta Informaticae*, 96(1–2):127–151, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Rital:2009:HCU

- [1367] Soufiane Rital. Hypergraph cuts & unsupervised representation for image segmentation. *Fundamenta Informaticae*, 96(1–2):153–179, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Rudnicki:2009:NSI

- [1368] Witold R. Rudnicki, Aleksander Jankowski, Aleksander Modzelewski, Aleksander Piotrowski, and Adam Zadrożny. The new SIMD implementation of the Smith–Waterman algorithm on cell microprocessor. *Fundamenta Informaticae*, 96(1–2):181–194, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Saha:2009:SGS

- [1369] Sriparna Saha and Sanghamitra Bandyopadhyay. Semi-GAPS: A semi-supervised clustering method using point symmetry. *Fundamenta Informaticae*, 96(1–2):195–209, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Shen:2009:SMM

- [1370] Guohua Shen, Zhiqiu Huang, Yuping Zhang, Xiaodong Zhu, and Jun Yang. A semantic model for matchmaking of Web services based on description logics. *Fundamenta Informaticae*, 96(1–2):211–226, January

2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2009:ACL

- [1371] Anonymous. Advances in computational logic (CILC08). *Fundamenta Informaticae*, 96(3):??, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bergenti:2009:IFD

- [1372] Federico Bergenti, Alessandro Dal Palù, and Gianfranco Rossi. Integrating finite domain and set constraints into a set-based constraint language. *Fundamenta Informaticae*, 96(3):227–252, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bozzato:2009:ACS

- [1373] Loris Bozzato, Mauro Ferrari, and Paola Villa. Actions over a constructive semantics for description logics. *Fundamenta Informaticae*, 96(3):253–269, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Bria:2009:NFN

- [1374] Annamaria Bria, Wolfgang Faber, and Nicola Leone. Normal form nested programs. *Fundamenta Informaticae*, 96(3):271–295, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

DalPalu:2009:GAS

- [1375] Alessandro Dal Palù, Agostino Dovier, Enrico Pontelli, and Gianfranco Rossi. GASP: Answer set programming with lazy grounding. *Fundamenta Informaticae*, 96(3):297–322, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Ferrante:2009:MCG

- [1376] Alessandro Ferrante, Margherita Napoli, and Mimmo Parente. Model checking for graded CTL. *Fundamenta Informaticae*, 96(3):323–339, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Giordano:2009:APE

- [1377] Laura Giordano, Nicola Olivetti, Valentina Gliozzic, and Gian Luca Pozzato. ALC + T: a preferential extension of description logics. *Fundamenta Informaticae*, 96(3):341–372, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Senni:2009:FRE

- [1378] Valerio Senni, Alberto Pettorossi, and Maurizio Proietti. A folding rule for eliminating existential variables from constraint logic programs. *Fundamenta Informaticae*, 96(3):373–393, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2009:AAI

- [1379] Anonymous. Advances in artificial intelligence and applications. *Fundamenta Informaticae*, 96(4):??, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Rhee:2009:MSC

- [1380] Sang Keun Rhee, Jihye Lee, Myon-Woong Park, Michał Szymczak, Grzegorz Frackowiak, Maria Ganzha, and Marcin Paprzycki. Measuring semantic closeness of ontologically demarcated resources. *Fundamenta Informaticae*, 96(4):395–418, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

ElJelali:2009:DMB

- [1381] Soufiane El Jelali, Abdelouahid Lyhyaoui, and Aníbal R. Figueiras-Vidal. Designing model based classifiers by emphasizing soft targets. *Fundamenta Informaticae*, 96(4):419–433, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Paradowski:2009:IRW

- [1382] Mariusz Paradowski and Halina Kwasnicka. Improved resulted word counts optimizer for automatic image annotation problem. *Fundamenta Informaticae*, 96(4):435–463, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Brzostowski:2009:DAM

- [1383] Krzysztof Brzostowski and Jerzy Świątek. Different approaches to model relationship between EMG signals and force moments in human skeletal muscle. Analysis for diagnosis of neuronmuscular disorders. *Fundamenta Informaticae*, 96(4):465–475, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kotowski:2009:SCT

- [1384] Stefan Kotowski, Witold Kosiński, Zbigniew Michalewicz, Piotr Synak, and Łukasz Brocki. On stability and classification tools for genetic algorithms. *Fundamenta Informaticae*, 96(4):477–491, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Diqun:2009:QSP

- [1385] Yan Diqun, Wang Rangding, and Zhang Liguang. Quantization step parity-based steganography for MP3 audio. *Fundamenta Informaticae*, 97(1–2):1–14, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Hamzeh:2009:RCS

- [1386] Ali Hamzeh, Sattar Hashemi, Ashkan Sami, and Adel Rahmani. A recursive classifier system for partially observable environments. *Fundamenta Informaticae*, 97(1–2):15–40, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Koutny:2009:SON

- [1387] Maciej Koutny and Brian Randell. Structured occurrence nets: A formalism for aiding system failure prevention and analysis techniques. *Fundamenta Informaticae*, 97(1–2):41–91, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Li:2009:EME

- [1388] Meng-Tsan Li, Nien-Ching Huang, Kuo-Chen Wu, Chin-Kai Jan, and Chung-Ming Wang. An effective message embedding scheme for 3D models. *Fundamenta Informaticae*, 97(1–2):93–109, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Magnin:2009:EPNa

- [1389] Morgan Magnin, Pierre Molinaro, and Olivier (H.) Roux. Expressiveness of Petri nets with stopwatches. Dense-time part. *Fundamenta Informaticae*, 97(1–2):111–138, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Magnin:2009:EPNb

- [1390] Morgan Magnin, Pierre Molinaro, and Olivier (H.) Roux. Expressiveness of Petri nets with stopwatches. Discrete-time part. *Fundamenta Informaticae*, 97(1–2):139–176, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Mani:2009:ASS

- [1391] A. Mani. Algebraic semantics of similarity-based bitten rough set theory. *Fundamenta Informaticae*, 97(1–2):177–197, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Saha:2009:MBI

- [1392] Sriparna Saha and Sanghamitra Bandyopadhyay. MR brain image segmentation using a multi-seed based automatic clustering technique. *Fundamenta Informaticae*, 97(1–2):199–214, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Saha:2009:TFC

- [1393] Suman Saha, C. A. Murthy, and Sankar K. Pal. Tensor framework and combined symmetry for hypertext mining. *Fundamenta Informaticae*, 97(1–2):215–234, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Winkowski:2009:AFDa

- [1394] Józef Winkowski. An algebraic framework for defining behaviours of concurrent systems. Part 1: The constructive presentation. *Fundamenta Informaticae*, 97(1–2):235–273, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zeng:2009:HSN

- [1395] Xiangxiang Zeng, Xingyi Zhang, and Linqiang Pan. Homogeneous spiking neural P systems. *Fundamenta Informaticae*, 97(1–2):275–294, January 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Anonymous:2009:SIS

- [1396] Anonymous. Special issue on stringology. *Fundamenta Informaticae*, 97(3):??, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Daykin:2009:CUM

- [1397] David E. Daykin, Jacqueline W. Daykin, and W. F. (Bill) Smyth. Combinatorics of unique maximal factorization families (UMFFs). *Fundamenta Informaticae*, 97(3):295–309, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Iliopoulos:2009:FAC

- [1398] Costas S. Iliopoulos, W. F. Smyth, and Munina Yusufu. Faster algorithms for computing maximal multirepeats in multiple sequences. *Fundamenta Informaticae*, 97(3):311–320, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Gagie:2009:NAB

- [1399] Travis Gagie. A new algorithm for building alphabetic minimax trees. *Fundamenta Informaticae*, 97(3):321–329, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Allali:2009:TGF

- [1400] Julien Allali, Pascal Ferraro, Pierre Hanna, Costas Iliopoulos, and Matthias Robine. Toward a general framework for polyphonic comparison. *Fundamenta Informaticae*, 97(3):331–346, August 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Duntsch:2009:CAA

- [1401] Ivo Düntsch and Ian Pratt-Hartmann. Complex algebras of arithmetic. *Fundamenta Informaticae*, 97(4):347–367, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Kieu:2009:IAB

- [1402] The Duc Kieu and Chin-Chen Chang. An image authentication based on discrete Fourier transform. *Fundamenta Informaticae*, 97(4):369–379, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Suresh:2009:DCU

- [1403] Kaushik Suresh, Debarati Kundu, Sayan Ghosh, Swagatam Das, and Ajith Abraham. Data clustering using multi-objective differential evolution algorithms. *Fundamenta Informaticae*, 97(4):381–403, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Vitoria:2009:MRP

- [1404] Aida Vitória, Jan Małuszyński, and Andrzej Szalas. Modeling and reasoning with paraconsistent rough sets. *Fundamenta Informaticae*, 97(4):405–438, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Winkowski:2009:AFDb

- [1405] Józef Winkowski. An algebraic framework for defining behaviours of concurrent systems. Part 2: The axiomatic presentation. *Fundamenta Informaticae*, 97(4):439–470, December 2009. CODEN FUMAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).

Zhang:2009:IVI

- [1406] Zhiming Zhang. An interval-valued intuitionistic fuzzy rough set model. *Fundamenta Informaticae*, 97(4):471–498, December 2009. CODEN FU-MAAJ. ISSN 0169-2968 (print), 1875-8681 (electronic).