%% /u/sy/beebe/tex/talks/geophys-2002/fogelson.txt, Mon Mar 18 10:09:40 2002
%% Edit by Nelson H. F. Beebe <beebe@math.utah.edu>

The full set of results is available at

        http://www.math.utah.edu/pub/benchmarks/local/fogelson/SUMMARY.html

Benchmark	Machine	Compiler and optimization
dp5_4dim	Compaq AlphaServer ES40 Sierra/667	f77 -fpe0 -O5
dp5_4dim	Compaq AlphaServer ES40 DEC6600/500	f77 -tune ev5 -fpe0 -O5
dp5_4dim	AMD Athlon 2-1400	f77 -O4 -malign-double -malign-loops=4 -malign-functions=4
dp5_4dim	Intel Pentium III	f77 -O5
dp5_4dim	Intel Pentium III-600	pgf90 -O2 -tp p6 -Munroll -Mnoframe -Mvect=sse
dp5_4dim	Sun SunFire 880	f90 -xO4 -dalign -xlibmil -fsimple=2 -fns -xtarget=ultra1/170 -xprefetch=yes -unroll=4 -ftrap=%none
dp5_4dim	IBM RS/6000 44P-270	xlf95 -qfixed -O3 -qarch=pwr3
dp5_4dim	Compaq/DEC Alpha 4100-5-466	f77 -fpe0 -O5
dp5_4dim	IBM RS/6000-43P-100	xlf -O1
dp5_4dim	DEC AlphaStation 500-400	f77 -tune ev5 -fpe0 -O5
dp5_4dim	Sun Ultra Enterprise 450/400	f90 -xO5 -dalign -xlibmil -fsimple=2 -fns -xtarget=ultra1/170 -xprefetch=yes -unroll=4 -ftrap=%none
drv3	IBM RS/6000 44P-270	xlf95 -qfixed -O4 -qarch=pwr3
drv3	Compaq AlphaServer ES40 Sierra/667	f90 -fpe2 -arch ev6 -tune ev6 -fpe2 -alig -inline all -pipeline -speculate all -unroll 4 -O5
drv3	Compaq AlphaServer ES40 DEC6600/500	f90 -fpe1 -arch ev6 -tune ev6 -fpe2 -alig -inline all -pipeline -speculate all -unroll 4 -O5
drv3	AMD Athlon 2-1400	f77 -O2
drv3	Sun SunFire 880	f90 -xO4 -dalign -xlibmil -fsimple=2 -fns -xtarget=ultra1/170 -xprefetch=yes -unroll=4 -ftrap=%none
drv3	SGI Indigo R4000-100	f77 -O2 -static -mips2 -sopt,-r=3,-o=5
drv3	Intel Pentium III	f77 -g
drv3	Sun Ultra Enterprise 450/400	f90 -g -dalign -xlibmil -fsimple=2 -fns -xtarget=ultra1/170 -xprefetch=yes -unroll=4 -ftrap=%none
drv6	Compaq AlphaServer ES40 DEC6600/500	f77 -fpe2 -O1

```
drv6            Compaq AlphaServer ES40 Sierra/667      f77 -tune ev6 -fpe0 -O5
drv6            IBM RS/6000 44P-270             xlf95 -qfixed -O3 -qarch=pwr3
drv6            Sun Ultra Enterprise 450/400    f90 -xO5 -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
drv6            Sun SunFire 880                 f90 -xO4 -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
drv6            AMD Athlon 2-1400               f77 -O0
drv6            Sun Ultra Enterprise 250-400    f90 -xO4 -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
================================================================================================
drv6_w          Compaq AlphaServer ES40 Sierra/667      f77 -tune ev6 -fpe0 -O5
drv6_w          Compaq AlphaServer ES40 DEC6600/500     f77 -tune ev6 -fpe0 -O5
drv6_w          IBM RS/6000 44P-270             xlf90 -qfixed -O4 -qarch=pwr3
drv6_w          Sun SunFire 880                 f77 -O5 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
drv6_w          Sun Ultra Enterprise 450/400    f90 -xO4 -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
drv6_w          Sun Ultra Enterprise 250-400    f90 -xO4 -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
drv6_w          AMD Athlon 2-1400               f77 -O1
drv6_w          Sun UltraSPARC 10-440           f77 -O5 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
drv6_w          Sun Ultra 60-360                f77 -O5 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
================================================================================================
```

%% /u/sy/beebe/tex/talks/geophys-2002/othmer.txt, Mon Mar 18 10:11:03 2002
%% Edit by Nelson H. F. Beebe <beebe@math.utah.edu>

The full set of results is available at

        http://www.math.utah.edu/pub/benchmarks/local/othmer/SUMMARY.html

```
================================================================================================
Benchmark       Machine                          Compiler and optimization
================================================================================================
1dmidlr         Compaq AlphaServer ES40 Sierra/667      f90 -fpe3 -arch ev5 -tune ev5 -fpe2 -alig
                                                    -inline all -pipeline -speculate all
                                                    -unroll 4 -O5
1dmidlr         Compaq AlphaServer ES40 DEC6600/500     f90 -fpe2 -arch ev5 -tune ev5 -fpe2 -alig
                                                    -inline all -pipeline -speculate all
                                                    -unroll 4 -O3
1dmidlr         IBM RS/6000 44P-270             xlf -O3 -qarch=pwr3
1dmidlr         Sun SunFire 880                 f77 -O5 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
1dmidlr         Compaq/DEC Alpha 4100-5-466     f77 -tune ev5 -fpe0 -O5
1dmidlr         Intel Pentium III-600           pgf77 -O2 -tp p6 -Munroll -Mnoframe
1dmidlr         SGI Octane R10000-195           f77 -O2 -static -mips4
1dmidlr         SGI Origin/200 R10000-180       f77 -O2 -static
1dmidlr         Sun SunBlade 100 UltraSPARC IIe f77 -O5 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
1dmidlr         Sun UltraSPARC 10-440           f77 -O4 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
1dmidlr         DEC AlphaStation 500-400        f77 -tune ev5 -fpe0 -O2
1dmidlr         IBM RS/6000 43P-260-200         xlf -O3 -qarch=pwr3
1dmidlr         Sun Ultra Enterprise 450/400    f77 -O5 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
================================================================================================
adilr           Compaq AlphaServer ES40 DEC6600/500     f77 -tune ev5 -fpe0 -O4
adilr           Sun SunBlade 100 UltraSPARC IIe f90 -xO5 -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
adilr           IBM RS/6000 44P-270             xlf95 -O3 -qarch=pwr3
adilr           Compaq/DEC Alpha 4100-5-466     f77 -tune ev5 -fpe0 -O5
adilr           Sun SunFire 880                 f77 -O4 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
adilr           Intel Pentium III-600           pgf77 -O2 -tp p6 -Munroll -Mnoframe
adilr           SGI Octane R10000-195           f77 -O2 -static -mips4
adilr           Intel Pentium II MMX-450        f77 -O2 -malign-double -malign-loops=4
                                                    -malign-functions=4
adilr           SGI Origin/200 R10000-180       f77 -O2 -static
```

```
adilr           DEC AlphaStation 500-400        f77 -tune ev5 -fpe0 -O4
adilr           Sun UltraSPARC 10-440           f77 -O4 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
adilr           IBM RS/6000 43P-260-200         xlf -O3 -qarch=pwr3
adilr           Sun Ultra Enterprise 450/400    f90 -xO5 -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
================================================================================================
pattern         Compaq AlphaServer ES40 Sierra/667      f77 -fpe0 -O4
pattern         Compaq AlphaServer ES40 DEC6600/500     f77 -tune ev6 -fpe0 -O4
pattern         IBM RS/6000 44P-270             xlf90 -O4 -qarch=pwr3
pattern         Sun SunFire 880                 f90 -g -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
pattern         IBM RS/6000 43P-260-200         xlf -O3 -qarch=pwr3
pattern         Sun Ultra Enterprise 450/400    f77 -O3 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
pattern         Sun Ultra 60-360                f77 -O5 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
pattern         Compaq/DEC Alpha 4100-5-466     f77 -fpe0 -O5
pattern         Sun Enterprise 5500-400         f77 -O4 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
pattern         Intel Pentium III-600           pgf90 -O2 -tp p6 -Munroll -Mnoframe
pattern         Sun UltraSPARC 10-440           f77 -O4 -dalign -libmil -cg89
pattern         Sun Ultra Enterprise 250-400    f77 -O4 -dalign -libmil -cg89
pattern         Sun SunBlade 100 UltraSPARC IIe f90 -xO1 -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
================================================================================================
```

%% /u/sy/beebe/tex/talks/geophys-2002/rmm.txt, Mon Mar 18 10:11:50 2002
%% Edit by Nelson H. F. Beebe <beebe@math.utah.edu>

The full set of results is available at

        http://www.math.utah.edu/pub/benchmarks/local/rmm/SUMMARY.html

```
================================================================================================
Benchmark       Machine                           Compiler and optimization
================================================================================================
eulshdp         Compaq AlphaServer ES40 Sierra/667      f77 -fpe0 -O2
eulshdp         Compaq AlphaServer ES40 DEC6600/500     f77 -fpe0 -O2
eulshdp         AMD Athlon 2-1400               f77 -O1 -malign-double -malign-loops=4
                                                    -malign-functions=4
eulshdp         IBM RS/6000 44P-270             xlf90 -O4 -qarch=pwr3
eulshdp         Intel Pentium III               f77 -O3
eulshdp         Intel Pentium III-600           pgf77 -O2 -tp p6 -Munroll -Mnoframe
eulshdp         Compaq/DEC Alpha 4100-5-466     f77 -fpe0 -O4
eulshdp         SGI Origin/200 R10000-180       f77 -O2 -static
eulshdp         DEC AlphaStation 500-400        f77 -tune ev5 -fpe0 -O2
eulshdp         IBM RS/6000 43P-260-200         xlf -O3 -qarch=pwr3
eulshdp         SGI O2 R10000-SC-150            f77 -O2 -static -mips4
eulshdp         Sun SunBlade 100 UltraSPARC IIe f77 -O5 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
eulshdp         Sun SunFire 880                 f77 -O5 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
================================================================================================
eulshsp         Compaq AlphaServer ES40 Sierra/667      f77 -fpe0 -O2
eulshsp         Compaq AlphaServer ES40 DEC6600/500     f77 -fpe0 -O5
eulshsp         AMD Athlon 2-1400               f77 -O2 -malign-double -malign-loops=4
                                                    -malign-functions=4
eulshsp         IBM RS/6000 44P-270             xlf90 -O4 -qarch=pwr3
eulshsp         Intel Pentium III               f77 -O3
eulshsp         Compaq/DEC Alpha 4100-5-466     f77 -tune ev5 -fpe0 -O5
eulshsp         Intel Pentium III-600           pgf77 -O2
eulshsp         SGI Origin/200 R10000-180       f77 -O2 -static -mips4
eulshsp         DEC AlphaStation 500-400        f77 -tune ev5 -fpe0 -O5
eulshsp         SGI O2 R10000-SC-150            f77 -O2 -static -mips4
eulshsp         IBM RS/6000 43P-260-200         xlf -O3 -qarch=pwr3
eulshsp         Sun SunBlade 100 UltraSPARC IIe f90 -g -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
eulshsp         Sun SunFire 880                 f77 -O3 -dalign -libmil -cg89
================================================================================================
```

%% /u/sy/beebe/tex/talks/geophys-2002/veronese.txt, Mon Mar 18 10:11:59 2002
%% Edit by Nelson H. F. Beebe <beebe@math.utah.edu>

The full set of results is available at

        http://www.math.utah.edu/pub/benchmarks/local/veronese/SUMMARY.html

```
================================================================================================
Benchmark       Machine                          Compiler and optimization
================================================================================================
neu_grid        Compaq AlphaServer ES40 Sierra/667      f77 -fpe0 -O3
neu_grid        Compaq AlphaServer ES40 DEC6600/500     f77 -fpe0 -O3
neu_grid        IBM RS/6000 44P-270              xlf95 -O4 -qarch=pwr3
neu_grid        AMD Athlon 2-1400                f77 -O3 -malign-double -malign-loops=4
                                                     -malign-functions=4
neu_grid        Intel Pentium III                f77 -g
neu_grid        Sun SunFire 880                  f90 -xO5 -dalign -xlibmil -fsimple=2 -fns
                                                     -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                     -ftrap=%none
neu_grid        Intel Pentium III-600            pgf77 -O2 -tp p6 -Munroll -Mnoframe
neu_grid        Compaq/DEC Alpha 4100-5-466      f77 -tune ev5 -fpe0 -O3
neu_grid        IBM RS/6000 43P-260-200          xlf -O3 -qarch=pwr3
neu_grid        Sun Ultra Enterprise 450/400     f77 -O4 -dalign -libmil -fsimple=2 -fns
                                                     -xtarget=ultra1/170
neu_grid        SGI Octane R10000-195            f77 -O2 -static -mips4
neu_grid        Sun Ultra Enterprise 250-400     f90 -xO4 -dalign -xlibmil -fsimple=2 -fns
                                                     -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                     -ftrap=%none
neu_grid        Sun SunBlade 100 UltraSPARC IIe  f77 -O3 -dalign -libmil -fsimple=2 -fns
                                                     -xtarget=ultra1/170
================================================================================================
```

%% /u/sy/beebe/tex/talks/geophys-2002/xie.txt, Mon Mar 18 10:12:10 2002
%% Edit by Nelson H. F. Beebe <beebe@math.utah.edu>

The full set of results is available at

        http://www.math.utah.edu/pub/benchmarks/local/xie/SUMMARY.html

```
================================================================================================
Benchmark       Machine                           Compiler and optimization
================================================================================================
adi3d-btr-1     Compaq AlphaServer ES40 Sierra/667      f77 -tune ev6 -fpe0 -O5
adi3d-btr-1     IBM RS/6000 44P-270             xlf90 -O4 -qarch=pwr3
adi3d-btr-1     AMD Athlon 2-1400               f77 -O4 -malign-double -malign-loops=4
                                                    -malign-functions=4
adi3d-btr-1     Sun SunFire 880                 f90 -xO4 -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
adi3d-btr-1     Compaq AlphaServer ES40 DEC6600/500     f77 -fpe0 -O3
adi3d-btr-1     Intel Pentium III-600           pgf90 -O2 -tp p6 -Munroll -Mnoframe -Mvect=sse
adi3d-btr-1     Intel Pentium III               f77 -O5 -malign-double -malign-loops=4
                                                    -malign-functions=4
adi3d-btr-1     IBM RS/6000 43P-260-200         xlf -O3 -qarch=pwr3
adi3d-btr-1     Sun SunBlade 100 UltraSPARC IIe f77 -O4 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
adi3d-btr-1     Compaq/DEC Alpha 4100-5-466     f77 -fpe0 -O5
adi3d-btr-1     Sun Ultra Enterprise 450/400    f77 -O4 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
adi3d-btr-1     Sun Ultra Enterprise 250-400    f77 -O4 -dalign -libmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170
================================================================================================
adi3d-btr-2     Compaq AlphaServer ES40 Sierra/667      -tune ev5 -fpe0 -O3
adi3d-btr-2     AMD Athlon 2-1400               -O1 -malign-double -malign-loops=4
                                                    -malign-functions=4
adi3d-btr-2     Compaq AlphaServer ES40 DEC6600/500     -fpe0 -O4
adi3d-btr-2     IBM RS/6000 44P-270             -O4 -qarch=pwr3
adi3d-btr-2     Sun SunFire 880                 -xO4 -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
adi3d-btr-2     Intel Pentium III               -g -malign-double -malign-loops=4
                                                    -malign-functions=4
adi3d-btr-2     Intel Pentium III-600           -O2 -tp p6 -Munroll -Mnoframe
adi3d-btr-2     Sun SunBlade 100 UltraSPARC IIe -O4 -dalign -libmil -fsimple=2 -fns -xsafe=mem
================================================================================================
```

%% /u/sy/beebe/tex/talks/geophys-2002/zhu.txt, Mon Mar 18 10:12:23 2002
%% Edit by Nelson H. F. Beebe <beebe@math.utah.edu>

The full set of results is available at

        http://www.math.utah.edu/pub/benchmarks/local/zhu/SUMMARY.html

```
================================================================================================
Benchmark       Machine                          Compiler and optimization
================================================================================================
mgzhu_mgzhu     Compaq AlphaServer ES40 Sierra/667      f77 -tune ev6 -fpe0 -O4
mgzhu_mgzhu     Compaq AlphaServer ES40 DEC6600/500     f77 -tune ev6 -fpe0 -O4
mgzhu_mgzhu     IBM RS/6000 44P-270             xlf90 -O4 -qarch=pwr3
mgzhu_mgzhu     AMD Athlon 2-1400               f77 -O4 -malign-double -malign-loops=4
                                                    -malign-functions=4
mgzhu_mgzhu     Sun SunFire 880                 f90 -g -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
mgzhu_mgzhu     Intel Pentium III               f77 -O1
mgzhu_mgzhu     IBM RS/6000 43P-260-200         xlf -O3 -qarch=pwr3
mgzhu_mgzhu     Sun Ultra Enterprise 450/400    f90 -xO4 -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
mgzhu_mgzhu     Compaq/DEC Alpha 4100-5-466     f77 -tune ev5 -fpe0 -O5
mgzhu_mgzhu     Intel Pentium III-600           pgf77 -O2 -tp p6 -Munroll -Mnoframe
mgzhu_mgzhu     Sun Ultra Enterprise 250-400    f90 -xO4 -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
================================================================================================
rdzhu_rdzhu     Compaq AlphaServer ES40 Sierra/667      f77 -tune ev6 -fpe0 -O5
rdzhu_rdzhu     Compaq AlphaServer ES40 DEC6600/500     f77 -tune ev6 -fpe0 -O5
rdzhu_rdzhu     IBM RS/6000 44P-270             xlf90 -O4 -qarch=pwr3
rdzhu_rdzhu     Sun SunFire 880                 f90 -xO5 -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
rdzhu_rdzhu     AMD Athlon 2-1400               f77 -O3 -malign-double -malign-loops=4
                                                    -malign-functions=4
rdzhu_rdzhu     IBM RS/6000 43P-260-200         xlf -O3 -qarch=pwr3
rdzhu_rdzhu     Intel Pentium III               f77 -O2
rdzhu_rdzhu     Compaq/DEC Alpha 4100-5-466     f77 -tune ev5 -fpe0 -O5
rdzhu_rdzhu     Sun Ultra Enterprise 450/400    f90 -xO5 -dalign -xlibmil -fsimple=2 -fns
                                                    -xtarget=ultra1/170 -xprefetch=yes -unroll=4
                                                    -ftrap=%none
================================================================================================
```