$$S_t \circ c(h)(a_s)_{ti} c(s) + \mathfrak{S}_e m^i n(a_r)$$

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A closed notion of locality
for Dirichlet forms in the one dimensional case

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Time and Place: Monday October 9, 2006; 12:55–1:45 p.m.; LCB 225 (Joint with the Applied Math Seminar)

If the notion of locality is well known in the case of regular Dirichlet form, it is is not straightforward to extend it to non-regular forms. We compare different possible definitions and characterize a notion of locality which is closed with respect to Mosco or Γ-convergence. This enables us to characterize the closure of the set of diffusion functionals in the one-dimensional case.