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Titulo:

Maximum principle and asymptotic dynamics for some nonlocal diffusion equations in metric measure spaces

Abstract:

We present some results on the asymptotic behavior of linear and nonlinear nonlocal evolution problems in rough media, assimilated to metric measure spaces. We analize weak and strong maximum principles for stationary and evolution linear problems. For nonlinear problems with local reaction we discuss global existence, asymptotic bounds and the existence of extremal solutions.