

Decay and Harnack estimates for fully non-local diffusion equations

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We consider diffusion problems which are non-local both in space and time, in particular bifractional equations of time order less than 1 and space order in between 0 and 2. I will report on recent results concerning the decay and Harnack estimates for these equations. The emphasis will be on the non-locality in time. It turns out that there are some significant differences to the local case. This is partially joint work with Dominik Dier, Jukka Kemppainen, Juhana Siljander and Vicente Vergara.