

Global weighted Lorentz estimates for parabolic equations with measure via strong fractional maximal functions

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Abstract. In this paper, we prove a weighted norm inequality for the gradient of solutions to nonlinear parabolic equations with measure data via strong fractional maximal functions. It is worth noticing that our paper is the first one which studies the gradient estimates of solutions to such equations via strong fractional maximal functions.

Mathematics Subject Classification (2010): 35R06 (primary), 35R05, 35K65, 35B65 (secondary).