

Fengquan Li

Regularity for entropy solutions of a class of parabolic equations with irregular data

Comment.Math.Univ.Carolin. 48,1 (2007) 69-82.

Abstract: Using as a main tool the time-regularizing convolution operator introduced by R. Landes, we obtain regularity results for entropy solutions of a class of parabolic equations with irregular data. The results are obtained in a very general setting and include known previous results.

Keywords: regularity, entropy solutions, parabolic equations, irregular data

AMS Subject Classification: 35D10, 35K55