Seminario de Doctorandos de Matemáticas UCM

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Some results for the nonexistence and existence of very singular solution to quasilinear parabolic equations.

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Lugar: Aula B14, Facultad de Matemáticas

Resumen

The purpose of this talk is to consider a kind of singular solution, so called very singular solution (in short VSS) to some parabolic equations. This termilogy is introduced by Brezis, Pletier, and Terman. Roughly speaking, this solution is more singular than Dirac solution. Specifically, we present some methods to show the existence of this solution. Besides, we also show the nonexistence of VSS in certain cases.

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