

学术报告

On extinction profiles of the fast diffusion
equations in the borderline Marcinkiewicz
spaces

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Time: 15:00-16:00, October 19 (Friday) 2018

Venue: Room 112, Center for Applied Mathematics

Abstract: It had been known in 1980s that solutions of the fast diffusions $\partial_t u = \Delta u^m$ in $\mathbb{R}^n \times [0, \infty)$ will be extinct in finite time, when the initial data belong to some suitable good spaces and $0 < m < \frac{n-2}{n}$. In this talk, I will report my recent results with Tianling Jin on certain extinct behaviors which capture singular stationary solutions. In particular, the Fowler solutions of the Yamabe equation can be captured.

欢迎大家参加！