B. Buffoni – B. Dacorogna – J. Krieger - H.M Nguyên - Section Mathématiques

SEMINAIRE D'ANALYSE

➤ *VENDREDI 24 MARS 2017 à 14h15 - salle MA A331*

*Professeur **ALESSIO FIGALLI** (ETH, Suisse)* donnera une conférence sur le thème:

« Global estimates for local and nonlocal porous medium type equations on bounded domains »

The behavior of solutions to the classical porous medium equation is by now well understood: the support of the solution expands at finite speed, and for large times it behaves as the separate- variable solution. When the Laplacian is replaced by a nonlocal diffusion, completely new and surprising phenomena arise depending on the power of the nonlinearity and the one of the diffusion. The aim of the talk is to present a self-contained overview of this theory.

Lausanne, le 7 mars 2017
BD/vl

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