



SCUOLA
NORMALE
SUPERIORE

SEMINARIO DI MATEMATICA

Mercoledì 2 dicembre 2015
ore 16:30

Scuola Normale Superiore
Pisa
Aula Mancini

Manuel Del Pino
(*Universidad de Chile*)

Terrà un seminario dal titolo:

“Bubbling blow-up in critical parabolic problems”

Abstract:

We construct solutions with finite and infinite type-II blow-up (and analyze their stability) in two related parabolic problems: the standard semilinear heat equation with a power nonlinearity at the critical exponent in a bounded domain in RN , and the harmonic map flow from a two-dimensional domain into the sphere $S2$. Both problems have stationary states with energy scaling-invariance in entire space which are the building blocks of the bubbling patterns.

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze Matematiche e Naturali