



SCUOLA
NORMALE
SUPERIORE

SEMINARIO DI ANALISI GEOMETRICA

Mercoledì 21 novembre 2018

ore 14:00

Scuola Normale Superiore

Pisa

Aula Bianchi Scienze

Ruijun Wu

(SNS)

Terrà un seminario dal titolo

“Dirac-harmonic maps and "supersymmetric" nonlinear sigma models”

Abstract:

In these models we deal with coupled pairs consisting of a map between manifolds and a spinorial field along this map. Originated from supersymmetric sigma models and supermanifold theory, they are recently analysed using the tools in nonlinear analysis. The Euler-Lagrangian system contains both a second order (Laplacian type) and a first order (Dirac type) elliptic equations. Some basic properties will be given as well as some example of the Dirac-harmonic maps.

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze