



SCUOLA
NORMALE
SUPERIORE

SEMINARIO DI MATEMATICA

Lunedì 17 dicembre 2018
ore 10:30

Scuola Normale Superiore
Pisa
Aula Marie Curie

Mauro Mariani

(High School of Economics, Moscow)

terrà un seminario dal titolo:

“The low temperature limit of Dirichlet energies ”

Abstract:

Let M be a Riemannian manifold equipped with a reference measure m with density $\exp(-V/T)$ with respect to the volume measure, where V represents a potential and the positive constant T represents the temperature. The Dirichlet energy with reference measure m is a classical functional defined on the space of probability measures on M . I will discuss the variational convergence of such a functional in the limit $T \rightarrow 0$. In particular, if V is not convex, a non-trivial expansion by Gamma-convergence holds under generic hypotheses on V . The results are based on a joint work with G.DiGesù (TU Wien).

Tutti gli interessati sono invitati a partecipare.

Classe di Scienze