



SCUOLA
NORMALE
SUPERIORE
PISA

SEMINARIO DI SISTEMI DINAMICI

mercoledì 7 ottobre 2009

ore 14.00

Scuola Normale Superiore

Pisa

(Centro di Ricerca Matematica E. De Giorgi-Collegio Puteano)

Corinna Ulcigrai

Bristol University

Terrà un seminario dal titolo:

“On mixing properties of area-preserving flows on surfaces”

Abstract:

We consider a natural class of area-preserving flows on a surface of genus g . We are interested in their ergodic properties, especially mixing: it turns out that the presence/absence of mixing depends on the type of fixed points. We proved that the presence of centers in a generic such flow is enough to create mixing. Recently we showed that if the flow has only saddles, it is generically not mixing (but weakly mixing). The results uses the flows representation as suspensions over interval exchange transformations and the study of deviations of Birkhoff averages over interval exchanges.

Tutti gli interessati sono invitati a partecipare.

La Segreteria della
Classe di Scienze