



SFB-Seminar

ZEIT:

13.12.2010, 15:00 Uhr - 18:00 Uhr

ORT:

HU

Institut für Sportwissenschaft

Philippstr. 13, 10115 Berlin (Mitte)

Haus 11, Hörsaal 5

PROGRAMM:

15:00 - 16:00 **Ruben Minasian (CEA Saclay/ France)**

String vacua and generalized complex geometry

I'll review some applications of Generalized complex geometry to string theory compactifications.

16:00 - 16:30 Kaffeepause

16:30 - 17:30 **Dr. Sonja Hohloch (Stanford)**

Homoclinic points and Floer homology

Homoclinic points are the intersection points of the stable and unstable manifold of a hyperbolic fixed point. The existence of transverse homoclinic points was discovered by Poincare around 1890 when he worked on the n-body problem.

Floer homology is a quite recent concept in symplectic geometry and Hamiltonian dynamics. It provides important symplectic invariants and existence results for periodic Hamiltonian orbits.

We link both topics by constructing a Floer homology generated by homoclinic points. Then we will discuss some properties like invariance, flux and growth under iteration.

Kontakt:

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