SFB-Seminar

ZEIT:
14.12.2010, 16:00 Uhr - 19:00 Uhr

ORT:
HU
Institut für Sportwissenschaft
Philippstr. 13, 10115 Berlin (Mitte)
Haus 11, Hörsaal 5

PROGRAMM:

16:00 - 17:00 **Ruben Minasian (CEA Saclay/ France)**

String vacua and generalized complex geometry
I'll review some applications of Generalized complex geometry to string theory compactifications.

17:00 - 17:30 Kaffeepause

17:30 - 18:30 **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.

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