



SFB-Seminar im ZIB

ZEIT:

15.4.2008, 16:00 Uhr - 19:00 Uhr

ORT:

Konrad-Zuse-Zentrum für Informationstechnik Berlin (ZIB)
Takustrasse 7
14195 Berlin-Dahlem

PROGRAMM:

16:00 - 17:00 **Brendan Guilfoyle (Tralee)**

Mean Curvature Flow for higher-codimensional spacelike submanifolds

In this talk we consider mean curvature flow for n -dimensional spacelike submanifolds of a manifold endowed with a metric of signature (n,m) . We establish long-time existence of the flow subject to mild curvature assumptions by proving a priori gradient estimates.

17:00 - 17:30 Kaffeepause

17:30 - 18:30 **Dr. Stefan Liebscher (FU Berlin)**

Ancient dynamics in Bianchi models

We consider cosmological models of Bianchi type. In particular, we are interested in the ϵ -limit dynamics near the Kasner circle of equilibria. We discuss the existence of trajectories converging to a given sequence of heteroclinic orbits. This corresponds to special solutions to the Einstein equations in the big-bang singular limit.

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