



## SFB-Seminar im ZIB

**ZEIT:**

10.6.2008, 16:00 Uhr - 19:00 Uhr

**ORT:**

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

**PROGRAMM:**

16:00 - 17:00 **Dr. Hans Ringström (Stockholm)**

**Future stability for the Einstein-non-linear scalar field system,  
power law expansion**

In the case of Einstein's equations coupled to a non-linear scalar field with a suitable exponential potential, there are solutions for which the expansion is accelerated and of power law type. In the talk I will discuss the future global non-linear stability of such models. The results generalize those of Mark Heinzle and Alan Rendall obtained using different methods.

17:00 - 17:30 Kaffeepause

17:30 - 18:30 **Dr. Matthias Staudacher (AEI Golm)**

**Integrability and the AdS/CFT Correspondence**

I will review recent progress towards the exact solution of planar supersymmetric N=4 gauge field theory through the discovery of integrable structures in the AdS/CFT correspondence.

**Kontakt:**

Humboldt-Universität zu Berlin . Institut für Mathematik  
SFB 647 . Unter den Linden 6 . 10099 Berlin  
Tel. +49 30 2093 1804 . Fax. +49 30 2093 2727  
sfb647@math.hu-berlin.de

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