

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Lee Lindblom**

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报告题目:

**Solving Einstein's Equation
Numerically**

邀请人: **曹周键 副研究员**

报告时间: **2014 年 12 月 11 日 (周四)**

上午 10:00

报告地点: **晨兴数学中心 410**

Abstract:

A variety of mathematical issues associated with solving Einstein's equation numerically will be discussed including, symmetric hyperbolic formulations of the equation, appropriate gauge (i.e. coordinate) conditions, constraint damping mechanisms, boundary conditions, etc. Special problems that arise in finding numerical solutions for binary black hole space-times, and in finding numerical solutions on manifolds with non-trivial spatial topologies will be discussed.

欢迎大家参加！