

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Lutz Tobiska**

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报告题目: **Recent results on local
projection stabilization for
convection-diffusion and flow
problems**

邀请人: 周爱辉研究员

报告时间: **2011 年 9 月 21 日 (周三)**

下午 16: 00-17: 00

报告地点: **科技综合楼三层 301
计算数学所小报告厅**

Abstract:

A survey on stabilization methods based on local projection is given. The class of steady problems considered covers scalar convection-diffusion equations, the Stokes problem and the linearized Navier-Stokes equations. We discuss different variants of the method, e.g. the one-level, the twolevel, and reduced two-level approaches, exponential enrichments, and projections on overlapping subdomains.

欢迎大家参加!