

数学与系统科学研究院

计算数学所学术报告

报告人: Associate Prof. Tomas Vejchodsky

(*Institute of Mathematics, Czech Academy of Sciences*)

报告题目:

**Computing lower bounds on
eigenvalues of elliptic operators**

邀请人: 谢和虎 研究员

报告时间: 2016 年 10 月 17 日(周一)

上午 10:00-11:00

报告地点: 数学院南楼九层

902 教室

Abstract:

This talk will introduce the Weinstein's and Kato's theorems to give the lower bound of the eigenvalue of elliptic operators. Then based on these two theorems, we give the corresponding locally and efficiently computing scheme to give the computable lower bounds of the elliptic operator. Some numerical examples are also given to validate the theoretical results.

欢迎大家参加！