

数学与系统科学研究院
计算数学所定期学术报告

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报告题目:

**Least-squares generalized multiscale
finite element method**

邀请人: 许学军 研究员

报告时间: 2017 年 5 月 10 日 (周四)

下午 16:00-17:00

报告地点: 思源楼一层

报告厅

Abstract:

There are many fundamental and practical problems involving a wide range of length scales. The multiscale feature leads to great challenges for computation. Multiscale finite element method (MsFEM) is one of the efficient approaches to solve the multiscale problems. The construction of multiscale basis functions is the central aspect in MsFEM. To enhance the applicability and flexibility of multiscale basis functions in mixed finite element framework, we introduce a least-squares mixed generalized MsFEM. Adaptive strategies for the proposed method are also presented in the talk.

欢迎大家参加！