

数学与系统科学研究院

计算数学所学术报告

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报告题目:

**Traditional and non-traditional
finite element methods for solving
interface problems**

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报告时间: 2016年3月19日(周六)

上午 11:20~12:00

报告地点: 科技综合楼三层

301 报告厅

Abstract:

Interface problems occur frequently when two or more materials meet. The difficulty of solving interface problems is how to capture complex interface geometry and jump conditions effectively while the PDE is not valid across the interface. I am going to discuss the non-traditional finite element method for solving the elliptic, parabolic and elasticity interface problems, even on multiple domains. Also, I am going to show some of my recent results for solving the two dimensional nonlinear interface problems using traditional finite element method.

欢迎大家参加！