数学与系统科学研究院

计算数学所学术报告

报告人：Prof. Long Chen

（ University of California at Irvine and

Beijing Center for Scientific and Engineering Computing ）

报告题目：

An interface-fitted mesh generator and virtual element methods for elliptic interface problems

邀请人：　张晨松 副研究员

报告时间：2016 年 7 月 5 日（周二）

下午 16:00-17:00

报告地点：　科技综合楼三层

301 报告厅

Abstract：

In this work, we develop a simple and efficient interface-fitted mesh algorithm which can produce an interface-fitted mesh in two and three dimension quickly. Elements in such interface-fitted mesh are not restricted to simplex but can be polygons or polyhedron. We thus apply Virtual Element Methods to solve the elliptic interface problem in two and three dimensions. We present some numerical results to illustrate the effectiveness of our method and prove an optimal order convergence of our method.

This is a joint work with Huayi Wei and Min Wen.

欢迎大家参加！