数学与系统科学研究院

计算数学所学术报告

报告人： **Prof. Hengguang Li**

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报告题目：

Finite Element Methods for 3D Anisotropic Singular Solutions

邀请人： 龚伟 副研究员

报告时间：**2019 年 6 月 12 日（周三）**

上午 10:00-11:00

报告地点： **科技综合楼三层**

311 报告厅

Abstract：

We present a new construction of 3D anisotropic meshes to improve the finite element approximation of elliptic boundary value problems with singular solutions from the non-smoothness of the domain. These algorithms are simple, explicit, and pose fewer geometric constraints on the domain and on the meshes. We derive optimal error estimates for the proposed method and discuss a few other recent developments in this direction.

欢迎大家参加！