计算数学所学术报告

报告人：**Prof. Jichun Li**

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报告题目：

Recent advances in superconvergence analysis of high-order edge elements with applications to Maxwell's equations

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报告时间：**2018 年 1 月 15 日（周一）**

上午 10:00--11:00

报告地点：　数学院南楼 **702** 教室

报告摘要：

Though there are many nice works on superconvergence for Lagrange elements, the superconvergence analysis if edge elements seem lag behind.

The first superconvergence result obtained for edge elements can be attributed to Peter Monk in 1994, and some following works by Prof. Qin Lin and collaborators. In this talk, we will present our recent superconvergence results obtained for 2nd and 3rd order rectangular edge elements. Numerical results justifying our analysis will be presented. We close our talk with some open issues in this area.