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：

L2-estimates for the DG-IIPG0 scheme

邀请人：　陈志明研究员

报告时间：2011 年 10 月 20 日（周四）

下午 15：45-16：45

报告地点：　科技综合楼三层 311

计算数学所报告厅

Abstract:

We discuss the optimality in L^2 of a variant of the Incomplete Discontinuous Galerkin Interior Penalty method (IIPG) for second order linear elliptic problems. We prove optimal estimate, in two and three dimensions, for the lowest order case under suitable regularity assumptions on the data and on the mesh. We also provide numerical evidence, in one dimension, of the necessity of the regularity assumptions.

欢迎大家参加！