数学与系统科学研究院

计算数学所学术报告

报告人：Associate Prof. Runchang Lin

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报告题目：

A discontinuous Galerkin least-squares finite element method for singularly perturbed reaction-diffusion problems

邀请人：　　龚伟 博士

报告时间：2016 年 8 月 3 日（周三）

下午 15:00-16:00

报告地点：　　科技综合楼三层

311 报告厅

Abstract:

A discontinuous Galerkin least-squares finite element method is proposed to solve reaction-diffusion equations with singular perturbations. This method produces solutions without numerical oscillations when uniform meshes are used, where neither special treatments nor manually adjusted parameters are required. Numerical examples are provided to demonstrate the efficiency of the method. This method can be applied to nonlinear reaction-diffusion problems with strong reactions.

欢迎大家参加！