数学与系统科学研究院

计算数学所学术报告

报告人：　　**Prof. Yin Zhang**

　　　　　　(Rice University, U.S.A.)

报告题目：

A class of fast algorithms for TV–based Image Reconstruction

邀请人：　　袁亚湘研究员

报告时间：　2008 年 12 月 2 日(周二)

　　　　　　下午 3:30—5:00

报告地点：　科技综合楼三层 311

　　　　　　计算数学所报告厅

Abstract:

Total variation (TV) is an effective regularization technique for image reconstruction. However, the speed of optimization algorithms for TV-based image models had been a bottleneck for years. In this talk, we introduce a class of new algorithms inspired by the classic penalty technique that are able to exploit the joint structures in image distortions and TV regularization. We will present numerical results showing that the resulting algorithms have achieved remarkable speedups. (This is a joint work with Junfeng Yang, Wotao Yin and Yilun Wang.)

欢迎大家参加！