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：

A New Total Variation Method for Multiplicative Noise Removal

邀请人： 白中治研究员

报告时间：2011 年 8 月 16 日（周二）

下午 16：00-17：00

报告地点： 科技综合楼三层 301

计算数学所小报告厅

Abstract：

Multiplicative noise removal problems have attracted much attention in recent years. Unlike additive noise removal problems, the multiplicative noise is multiplied to the orginal image, so almost all information of the original image may disappear in the observed image. The main aim of our work is to propose and study a strictly convex objective function for multiplicative noise removal problems. We also incorporate the modified total variation egularization in the objective function to recover image edges. We develop an alternating minimization algorithm to find the minimizer of such an objective function efficiently and also show the convergence of the minimizing method. Our experimental results show that the quality of images denoised by the proposed method is quite good.

欢迎大家参加！