计算数学所学术报告

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报告题目：

Two-stage/three-stage method for image segmentation

邀请人： 徐丽助理研究员

报告时间: **2017 年 12 月 18 日（周一）**

上午 **10:00--11:00**

报告地点： 数学院科技综合楼

三层 **301** 报告厅

报告摘要:

The Mumford–Shah model is one of the

most important image segmentation models and has been studied extensively in the last twenty years. In this talk, we propose a two-stage segmentation method based on the Mumford–Shah model. The first stage of our method is to find a smooth solution to a convex variant of the Mumford–Shah model. In the second stage the segmentation is done by thresholding the previous image into different phases. Experimental results show the good performance of the proposed method. The idea is then generalized for image segmentation under non-Gaussian noise, color image segmentation and selective image segmentation for medical images.