

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Yuesheng Xu**

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报告题目:

**A Compressed Sensing Method for
Synthetic Seismograms in the
Frequency Domain**

邀请人: 周爱辉研究员

报告时间: **2011 年 10 月 13 日 (周四)**

上午 10: 00-11: 00

报告地点: 科技综合楼三层 **311**

计算数学所报告厅

Abstract:

I shall talk about my recent joint work with Lixin Shen and Tingting Wu on fast algorithms for a compressed sensing method for synthetic seismograms in the frequency domain. We propose a regularization method for synthetic seismograms using only lower frequencies and a fast algorithm to solve the regularization problem. By doing this, we avoid solving the Helmholtz equation with large wave numbers while obtaining satisfactory results.

欢迎大家参加!