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：

The Inverse Problem Approach for X-ray Radiograph Tomography

邀请人： 陈冲 博士

报告时间：2019 年 4 月 26 日（周五）

下午 **15:00-16:00**

报告地点： 科技综合楼三层

311 报告厅

Abstract：

X-ray is an excellent tool to pear into the interior of an object. Image reconstruction means to inverse the object physical parameters from x-ray radiographs. This is an inverse problem. In this talk, the illposedness of the inverse problem will be analyzed and the mathematical model will be given based on variational method. The mathematical model deals with Abel transform inversion and the determination of the indirectly measuring data. Two terms of regularizers are introduced in our model. Numerical tests show the efficiency of the proposed model.

欢迎大家参加！