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:

Algebraic Iterative Methods for Image Reconstruction

邀请人： 白中治 研究员

报告时间: 2014 年 10 月 18 日（周六）

上午 **10:00-11:00**

报告地点： 数学院南楼七层 **702** 会议室

Abstract：

Nonlinear ill-posed problems are very important in natural sciences such as astrophysics, astronomy, medical imaging, geophysics, parameter identification, and inverse scattering. Modified Landweber iterative method is one of the important iterative methods for solving nonlinear ill-posed problems. In this talk we proposed new general conditions, which included classical conditions as their special cases, to discuss the convergence and convergence rate for it. And a new higher order King-Werner-like iterative method was also introduced to solve nonlinear ill-posed problems. Convergence analysis demonstrated its efficiency and superiority.

欢迎大家参加！