

数学与系统科学研究院

计算数学所学术报告

报告人: 袁锦韵教授

(巴西巴拉那联邦大学)

报告题目:

**Preconditioned Iterative methods for
indefinite problems**

邀请人: Prof. Yu-hong Dai

报告时间: 2009年7月23日(周四)

上午 10:00—11:00

报告地点: 科技综合楼三层 301

计算数学所小报告厅

Abstract:

In this talk we give short survey on some preconditioned iterative methods for solving indefinite systems which appear in many applications such as constrained optimization and numerical PDE. Here we concentrate on the preconditioned null space methods, ST preconditioned iterative methods, SOR-like methods and always convergent splitting methods.

The main point is to transform the problem to a symmetric and positive definite system which can easily be solved by the conjugate gradient method.

欢迎大家参加！