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：

Some research problems in the computational solution of non-standard Volterra equations

邀请人： 周爱辉研究员

报告时间：2011 年 11 月 18 日（周五）

下午 16：00-17：00

报告地点： 科技综合楼三层 311

计算数学所报告厅

<u>Abstract</u>：

I will discuss three non-standard Volterra equations: (i) an auto-convolution integro-differential equation (related to a generalized Burgers equation); (ii) a generalized Volterra-Abel integral equation of the first kind (related to elliptic boundary-value problems for the generalized Tricomi equation); and (iii) a class of second-kind Volterra integral equations with non-compact integral operators.

While the theory of these problems is well understood, their numerical solution has not yet been studied.

欢迎大家参加！