# 数学与系统科学研究院

## 计算数学所学术报告

**报告人**：**Prof. Derchyi Wu**

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**报告题目**：

**The Cauchy problem of the Pavlov equation**

**邀请人**：　胡星标 研究员

**报告时间**：**2016 年 6 月 27 日（周一）**

**下午 16:00-17:00**

**报告地点**：　数学院南楼七层

**702 会议室**

**Abstract**：

**The Pavlov equation is a toy model of the dispersionless KP equation. It is a simpler integrable model by noting the Lax pair contains no derivatives with respect to the spectral parameter. By change of variables, the Pavlov equation turn into a quasi-linear wave equation satisfying the null condition of which the Cauchy problem with initial data on a non-characteristic hypersurface is solved. Our studies are devoted to the above 2+1 quasilinear wave equation with characteristic initial surfaces.**

欢迎大家参加！