

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Ruoxia Yao**

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报告题目:

**The Higher Order Normalized
Differential Invariants and Syzygies
for Submanifolds under Group
Actions (I)**

邀请人: 胡星标 研究员

报告时间: **2015 年 8 月 10 日 (周一)**

晚上 20:30~21:30

报告地点: 数学院南楼七层

702 会议室

Abstract:

Motivated by the widely used equivariant moving frame method, the infinitesimal generators of transformation groups and the universal recurrence formulae for differential invariants are reinvestigated, then some results including not only the fundamental sets of higher order normalized differential invariants, the explicit normal forms built by them for submanifolds under group actions, but also the syzygies on the generating set of normalized differential invariants are presented.

欢迎大家参加！