

数学与系统科学研究院

计算数学所学术报告

报告人: Prof. Ran Zhang

( 吉林大学 )

报告题目:

**Maximum principles for P1-P0 weak  
Galerkin finite element approximations  
of quasi-linear Second order elliptic  
equations**

邀请人: 季霞 副研究员

报告时间: 2016年8月1日 (周一)

下午 14:00~15:00

报告地点: 科技综合楼三层

311 报告厅

## **Abstract:**

**This talk will introduce maximum principles for the weak Galerkin method dealing with the second order elliptic equation. Under the h-acute assumption for the mesh partition, two maximum principles with respect to midpoints are proved. The theoretical analysis is based on the variational form and De Giorgi technique. Some numerical results are also presented.**

**欢迎大家参加！**