

数学与系统科学研究院

计算数学所学术报告

报告人: **Associate Prof. Zhengfu Xu**

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报告题目:

**Positivity preserving flux limiters  
finite difference WENO methods  
solving compressible Euler equation**

邀请人: 季霞 副研究员

报告时间: **2015 年 7 月 21 日 (周二)**

**下午 16:00-17:00**

报告地点: 科技综合楼三层

**301 小报告厅**

## **Abstract:**

**In this talk, we will discuss a family of flux limiters for high order finite difference WENO methods solving compressible Euler equations. This family of flux limiters are generalized from maximum principle preserving flux limiters applied to high order methods solving scalar conservation laws. Its origin can be found through the Flux Corrected Transport method (low order, local maximum principle preserving) developed by Boris and Book. We will discuss the algorithm and some of the major issues we try to address.**

**欢迎大家参加！**