

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Bangti Jin**

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报告题目:

**Time stepping schemes for fractional diffusion**

邀请人: 龚伟 副研究员

报告时间: **2017 年 5 月 22 日 (周一)**

**下午 16:00-17:00**

报告地点: **科技综合楼三层**

**311 报告厅**

## **Abstract:**

**Overall the last decade, a large number of time stepping schemes have been developed for time-fractional diffusion problems. These schemes can be generally divided into: finite difference type, convolution quadrature type and discontinuous Galerkin methods. Many of these methods are developed by assuming that the solution is sufficiently smooth, which however is generally not true. In this talk, I will describe our recent works in analyzing and developing robust numerical schemes that do not assume solution regularity directly, but only data regularity.**

**欢迎大家参加！**