数学与系统科学研究院

计算数学所学术报告

报告人： 王坤 副教授

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报告题目：

Asymptotic Analysis of the Finite Element Solutions for the Viscoelastic Oldrody Flows

邀请人： 曹礼群 研究员

报告时间： 2017 年 8 月 25 日（周五）

下午 16:00-17:00

报告地点： 数学院南楼六层

602 教室

Abstract：

In this talk, we consider two kinds of asymptotic analysis for the viscoelastic Oldroyd flows. Firstly, under some assumptions, we prove that the solution of this problem converges to the viscous model known as the famous Navier-Stokes equations. Then, we study the long time asymptotic behavior for the viscoelastic Oldroyd fluid motion equations. Both error estimates for the continuous and discrete equations are provided. Finally, some numerical experiments are given to verify the theoretical predictions.

欢迎大家参加！