



复旦大学数学科学学院 数学综合报告会

报告题目: Some Recent Progress on Inertial Liquid Crystal Models

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报告时间: 2021年10月21日 星期四, 10:00—11:00

报告地点: 腾讯会议 (会议号 278 920 769)

摘要: In this talk, we will review some analytical studies on the inertial liquid crystal models, such as Ericksen-Leslie and Qian-Sheng models. The key point is these models keep an inertial term, which make the corresponding system is a mixed hyperbolic-parabolic system coupled with Navier-Stokes equations. We discuss the well-posedness in classical solution framework, and the zero inertial limits. These works are joint with Yi-long Luo and Shaojun Tang.

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