



复旦大学数学科学学院 数学综合报告会

报告题目: Non-uniqueness of Leray solutions of the forced Navier-Stokes equations

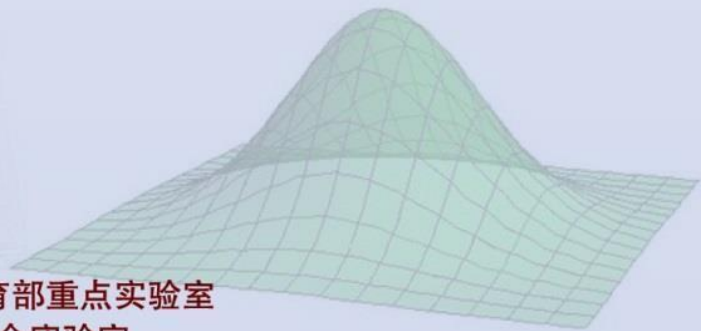
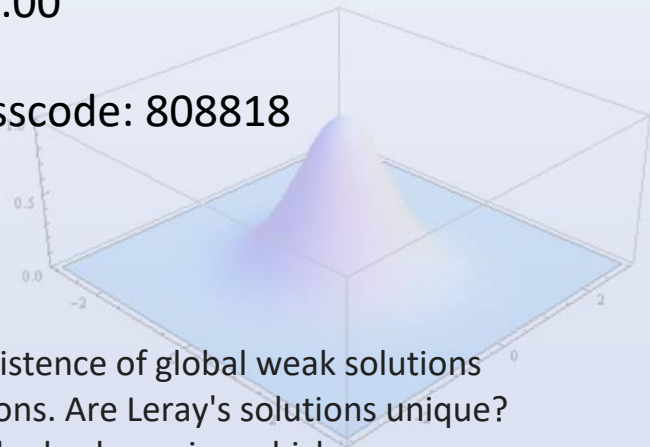
报告人: Dallas Albritton (Courant Institute of Mathematical Sciences, New York University, New York, USA)

时间: 2022-04-21 星期四 21:00 - 22:00

地点: ZOOM Id: 836 7313 8944 Passcode: 808818

报告摘要:

In a seminal work, Leray demonstrated the existence of global weak solutions to the Navier-Stokes equations in three dimensions. Are Leray's solutions unique? This is a fundamental question in mathematical hydrodynamics, which we answer in the negative, within the 'forced' category, by exhibiting two distinct Leray solutions with zero initial velocity and identical body force. This is joint work with Elia Brué and Maria Colombo.



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