



复旦大学数学科学学院 数学综合报告会

报告题目: Introduction to the mathematical theory of the Navier-Stokes equations

报告人: Grigory Seregin 教授 (University of Oxford, UK)

时间: 2020-11-02 星期一 16:30-17:30; 2020-11-04 星期三 16:30-17:30; 2020-11-09 星期一 16:30-17:30; 2020-11-11 星期三 16:30-17:30; 2020-11-16 星期一 16:30-17:30; 2020-11-18 星期三 16:30-17:30; 2020-11-23 星期一 16:30-17:30; 2020-11-25 星期三 16:30-17:30

地点: ZOOM Meeting ID: 851 6294 1449, Passcode: 577361

报告摘要:

These lectures can be regarded as an Introduction to the Mathematical Theory of the Navier-Stokes equations, addresses to undergraduate and postgraduate students who would like to learn more about one of the most important equations of the mathematical physics. The main point of the discussions will be: the existence of weak or strong solutions to the initial boundary value problems for the Navier-Stokes equations, weak-strong uniqueness theorems, the partial regularity of weak solutions, etc. It would be helpful to have a preliminary knowledge about the theory of elliptic and parabolic equations although some points important for the Navier-Stokes equations will be explained in lectures. The material based on courses given at Mathematical Institute of Oxford University.

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