

数学与系统科学研究院

计算数学所学术报告

报告人: **Dr. Yitzhak Fouxon**

(*Technion - Israel Institute of Technology*)

报告题目:

Turbulence and anomalous scaling

邀请人: 于海军 副研究员

报告时间: **2019 年 5 月 11 日 (周六)**

上午 8:30-10:30

报告地点: 科技综合楼三层

311 报告厅

Abstract:

This talk is devoted to macroscopic fluctuations of the flow of fluids known as turbulence. We introduce the Navier-Stokes description of turbulence and provide a general way for deriving Kolmogorov-type relations. This is used for reproducing the well known four fifths law of Kolmogorov and providing a less known relation for the fifth order correlation function. The problem of anomalous scaling and the difficulties in its solution are described.

欢迎大家参加！