数学与系统科学研究院

计算数学所网络学术报告

报告人： **Dr. Yitzhak Fouxon**

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报告题目：

Transport by compressible turbulence in the frame of the Kraichnan model

邀请人： 于海军 研究员

报告时间：2021 年 12 月 10 日（周五）
晚上 **19:00-20:00**

报告工具：**Zoom** 会议

https://us02web.zoom.us/j/88996187793

Abstract：

Some two decades ago a breakthrough happened in the study of turbulence when the breakdown of self-similarity was derived in a problem that has many features in common with the usual turbulence. This is the problem of a passive scalar in an incompressible turbulent flow. The progress was made possible thanks to using the Kraichnan model of turbulence. We will explain the model and consider its uses when turbulence is compressible. Phenomena that are absent in incompressible flow will be described. We will describe the application to the description of the transition to multifractality of the concentration field of the tracer particles.

欢迎大家参加！