



# 北京理工大学

## PDE RIT SEMINAR

### A Method to Construct Nonlinear Instability

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**地 点：** 文萃楼E708

**摘 要：** In 2000, Grenier gave an iterative scheme to construct nonlinear instability of Euler equations and Prandtl equations. In this RIT, we will first recall some results on linear instability in fluid dynamics. Then we will give an introduction to Grenier's iterative scheme. If time permits, we will give some applications of this iterative scheme to water waves system and Vlasov-Maxwell system.