



## 复旦大学数学科学学院 数学综合报告会

报告题目: Boundary stabilization of 1-D hyperbolic systems

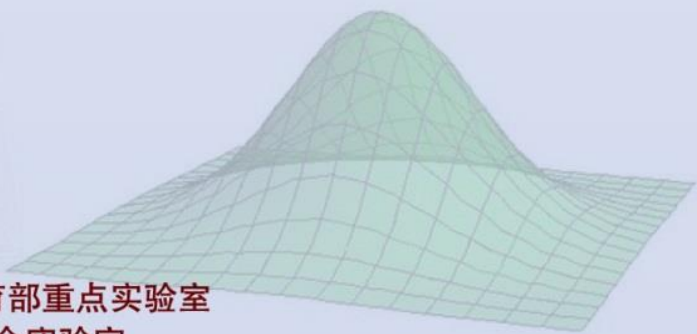
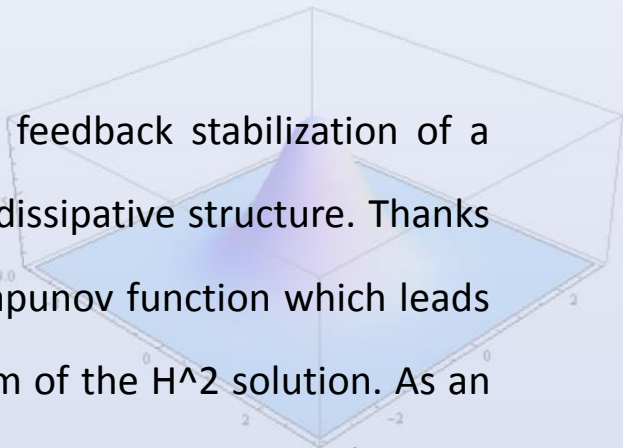
报告人: Ke Wang (Donghua University)

时间: 2020-6-29 星期一 14:00-15:00

地点: 腾讯会议 ID: 629 703 557

报告摘要:

In this talk, we introduce the boundary feedback stabilization of a quasilinear hyperbolic system with partially dissipative structure. Thanks to this structure, we construct a suitable Lyapunov function which leads to the exponential stability to the equilibrium of the  $H^2$  solution. As an application, we also obtain the feedback stabilization for the Saint-Venant-Exner model under physical boundary conditions.



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