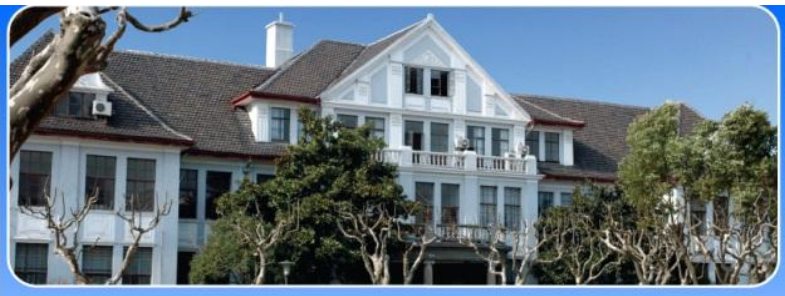


复旦大学数学科学学院
数学综合报告会

报告题目：**Boundary Conditions for Hyperbolic Partial Differential Equations with Relaxation**

报告人：雍稳安教授

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报告时间：2017-12-08 星期五 8:30-9:30

报告地点：光华西辅楼 508

摘要：For hyperbolic partial differential equations with relation, formally it is trivial to derive the equilibrium systems as the relaxation time goes to zero. However, for equations defined in a domain with boundaries and therefore with boundary conditions, a natural problem is how to derive the corresponding reduced boundary conditions. This seems far from trivial. In this talk I will present a procedure to derive the reduced boundary conditions. Moreover, I will show how to construct boundary conditions for relaxation systems approximating to initial-boundary values problems of hyperbolic PDEs.

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