



复旦大学数学科学学院
数学综合报告会

报告题目: **A result on the boundary stabilization of systems of conservation in the context of weak entropy solutions**

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报告时间: 2016-04-13 星期三 8:30-9:30

报告地点: 光华东主楼 1501

摘要: We consider the problem of boundary stabilization of a particular class of systems of conservation laws. Precisely, 2×2 systems with positive characteristic speeds are under view. We study boundary controls in the form of a linear feedback, and give sufficient conditions on the control law to stabilize the system. The main contribution is that we consider weak entropy solutions for this system while most of the results concerning the boundary stabilization of systems of conservation consider continuously differentiable solutions. This is a joint work with J.-M. Coron, S. Ervedoza, S. Goshal and V. Perrollaz.

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