

数学与系统科学研究院

计算数学所学术报告

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报告题目:

**Controllability from measurable sets
and its application to optimal control
problems**

邀请人: 龚伟 副研究员

报告时间: 2017 年 10 月 26 日(周五)

上午 10:00-11:00

报告地点: 科技综合楼三层

311 报告厅

Abstract:

This talk is to introduce the null controllability from measurable sets for several kinds of controlled parabolic PDEs. As an application, we will study the bang-bang property of time optimal control problems. In the content, we first review our already established works on this subject for the parabolic equations with real-analytic coefficients; and then announce certain new results in this direction but for the general parabolic equations with Lipschitz leading coefficients, by using a profound result in a very recent work by Logunov-Malinnikova.

欢迎大家参加！