

数学与系统科学研究院

计算数学所学术报告

报告人: Associate Prof. Xuying Zhao

(*Capital Normal University*)

报告题目:

**Quantitative dependence analysis on
the horizon for nonlocal models**

邀请人: 石钟慈 院士

报告时间: 2019 年 6 月 29 日 (周六)

下午 16:00-17:00

报告地点: 科技综合楼三层

311 报告厅

Abstract:

The horizon is a vitally important parameter in nonlocal models. This paper quantitatively reveals how nonlocal models depend on the horizon and other parameters. To this end, a decomposition property for energy norms of double integrals arising from nonlocal models is developed. As an application of the quantitative dependence result of energy norms, more quantitative dependence results on the horizon and other parameters are further established.

欢迎大家参加！