

数学与系统科学研究院

计算数学所学术报告

报告人: **Prof. Antoine Levitt**

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报告题目:

Wannier functions for metals

邀请人: 戴小英 研究员

报告时间: 2018 年 6 月 22 日 (周五)

下午 16:00-17:00

报告地点: 数学院南楼七层

702 教室

Abstract:

This talk summarizes recent work on the mathematical understanding of Wannier functions, which are a powerful theoretical and numerical tool for the study of periodic quantum systems. These are well-defined for gapped systems, but routinely used in practice for non-gapped band structures, such as metals. We will discuss the localization properties of such Wannier functions, as well as numerical methods to compute them.

欢迎大家参加！