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：

Multiscale Model for Interlayer Defects in Low dimension materials

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报告时间：**2019** 年 **8** 月 **19** 日（周一）

下午 **15:30-16:30**

报告地点：　科技综合楼三层

311 报告厅

Abstract:

We develop a multiscale continuum model to describe the interlayer defects in bilayer materials. The model incorporates both the anisotropy elasticity of each mono-layer and the first-principle calculation informed interaction between two layers. We apply this approach to determine the structure and energetics of twisted bilayer material. We also investigated the dislocation structure in heterogeneous bilayer such as G/BN. Our model agrees well with the atomistic results. An analytical description is developed.

欢迎大家参加！