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：

Atomistic/continuum coupling of static and dynamic crystalline solids

邀请人： 明平兵研究员

报告时间： 2009 年 5 月 21 日(周四)

下午 4:00—5:00

报告地点： 科技综合楼三层 311

计算数学所报告厅

Abstract:

I will present an atomistic and continuum coupling scheme for the dynamics of crystalline solids with an emphasis on the MD boundary condition at the interface. I will also introduce a static version of the coupling scheme. Applications to brittle crack dynamics are studied. Different types of loading were applied on the continuum boundary to study the interaction between the elastic waves and the crack tip as well as the crack tip propagation.

欢迎大家参加！