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：

Absorbing interface conditions for the simulation of wave equation on non-uniform meshes

邀请人： 季霞 副研究员

报告时间：2016 年 8 月 4 日（周四）

下午 14:00-15:00

报告地点： 科技综合楼三层

311 报告厅

Abstract：

In this talk, I will discuss the absorbing interface conditions for the simulation of linear wave propagation on non-uniform meshes. The main issue here is the spurious reflections at interfaces. We propose the absorbing interface condition and hierarchy interface condition. Both conditions permit two-way transmission of low frequency waves across mesh interfaces which can be supported by both coarse and fine meshes and perform a one-way absorption of high frequency waves which can only be supported by fine meshes. Numerical examples are presented to illustrate the efficiency of the proposed interface conditions.

欢迎大家参加！