

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:

**Frozen Gaussian approximation for
high frequency wave propagation**

邀请人: 明平兵研究员

报告时间: **2011 年 5 月 26 日 (周四)**

下午 16: 00-17: 00

报告地点: 科技综合楼三层 **301**

计算数学所小报告厅

Abstract:

Efficient computation of high frequency wave arises in several important applications. We develop the frozen Gaussian approximation method for high frequency wave propagation. The method is based on phase space semiclassical analysis, which gives valid asymptotic solution at caustics and also when the wave spreads. It provides a robust and efficient way of high frequency wave computation.

欢迎大家参加!