数学与系统科学研究院

计算数学所学术报告

报告人： 杨旭 博士

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报告题目：

Eulerian Gaussian beam methods in quantum mechanics

邀请人： 文新副研究员

报告时间： 2008 年 11 月 14 日(周五)

上午 10:00—11:00

报告地点： 科技综合楼三层 311

计算数学所报告厅

Abstract:

Gaussian beam is an efficient way for solving the high frequency wave equations asymptotically with solution being valid at caustics. Our new work is about developing a new Eulerian Gaussian beam method for solving the Schrodinger equation in the semiclassical regime with possible applications in quantum related topics. In the talk I will also briefly include the (standard) Lagrangian Gaussian beam formulation to make the Eulerian methods better understood.

欢迎大家参加！