

数学与系统科学研究院

计算数学所学术报告

报告人: **Dr. Jingrun Chen**

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报告题目:

**Quantifying Exciton Diffusion
Length of Organic Materials**

邀请人: 陈冲 博士

报告时间: **2013 年 8 月 30 日 (周五)**

上午 10:00-11:00

报告地点: **科技综合楼三层 311**

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Abstract:

Exciton diffusion length (EDL) is an important parameter relating to the external quantum efficiency of organic solar cells. Diffusion model is proposed to simulate EDLs of different materials under photoluminescence and photocurrent measurements, which produces consistent results with other models, such as Monte-Carlo simulation, excitation-exciton annihilation model, and Stern-Volmer formula. Relationship between these models is understood from a mathematical viewpoint.

欢迎大家参加!