

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:

**A fast and simple algorithm for the
computation of Legendre coefficients**

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报告时间: **2011 年 4 月 14 日 (周四)**

下午 14: 00-15: 00

报告地点: 科技综合楼三层 **311**

计算数学所报告厅

Abstract:

In this talk we address ourselves to a long-standing challenge, to compute in $O(n \log n)$ operations the first n coefficients of a Legendre expansion. We demonstrate how a fairly complicated chain of reasoning, involving the complex plane and special function theory leads to a simple, effective and robust algorithm for fast computation of Legendre expansions.

欢迎大家参加!