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：

Combinatorial Calabi Flows in 2-Dimension

邀请人：　　李明　博士

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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:

In this talk, I'll introduce the concept of combinatorial Calabi flow on triangulated surfaces which is an analogue of smooth Calabi flow. The flow is closely related to a type of discrete Laplace operator. It's the gradient flow of discrete Calabi energy. The solution of combinatorial Calabi flow exists for all time. Moreover, the solution converges if and only if Thurston's circle packing exists. As a consequence, combinatorial Calabi flow provides a new algorithm to find circle packings with prescribed curvatures. Combinatorial Calabi flow methods may be useful in computer graphics, image processing and other area.

欢迎大家参加！