



## 复旦大学数学科学学院 数学综合报告会

报告题目: **CR Geometrization Problems Via The Torsion Flow**

报告人: Professor Shucheng Chang

(台湾大学)

报告时间: 2016-05-17 星期二 15:30-16:30

报告地点: 光华东主楼 1501

**摘要:** One of central problems of geometric analysis is to understand and classify singularity models of the nonlinear geometric evolution equation, and to connect it to the existence problem of geometric structures in a manifold. For instance, by studying singularity models of the Ricci flow, R. Hamilton and G. Perelman solved the Poincare conjecture and Thurston geometrization conjecture for closed 3-manifolds in recent year.

Along this direction, we propose to study the most important geometrization problem of closed CR 3-manifolds via the CR torsion flow. In this talk, we will survey the most recent progress along this line.

非线性数学模型与方法教育部重点实验室  
中法应用数学国际联合实验室  
上海市现代应用数学重点实验室  
复旦大学数学研究所