Mathematics, Statistics, and Computer Science   **@ UIC**

Departmental Colloquium

Kahler-Einstein metrics

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Abstract: Kahler-Einstein metrics are of fundamental importance in Kahler geometry, with connections to algebraic geometry, geometric analysis, string theory amongst other fields. Their study has received a great deal of attention recently, culminating in the solution of the Yau-Tian-Donaldson conjecture, characterizing which complex manifolds admit Kahler-Einstein metrics. I will give an overview of the field, including some recent developments.

Friday, September 29 at 3:00 PM in SEO 636