MASSACHUSETTS INSTITUTE OF TECHNOLOGY
DEPARTMENT OF MATHEMATICS

Geometric Analysis Seminar

Wednesday, February 16, 2022

3:00pm – 4:00pm   **2-131**

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"A survey on exotic Calabi-Yau metrics on \C^3."

Abstract

I will survey some nontrivial examples of complete Calabi-Yau metrics on \C^3, which are linked to local models of degenerating compact Calabi-Yau manifolds. These metrics are generalizations of the Taub-NUT metrics in different directions, exhibiting the characteristic features of non-collapsing vs. collapsing geometries.