Geometric Analysis Seminar

Wednesday, February 16, 2022

3:00pm – 4:00pm 2-131

Yang Li
(MIT)

“A survey on exotic Calabi-Yau metrics on \(\mathbb{C}^3\).”

Abstract

I will survey some nontrivial examples of complete Calabi-Yau metrics on \(\mathbb{C}^3\), 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.