

GEOMETRIC ANALYSIS SEMINAR

“Collapsing of Ricci-flat Calabi-Yau metrics”

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Abstract: I will address the problem of understanding the collapsing behavior of Ricci-flat Kahler metrics on Calabi-Yau manifolds which admit a fibration structure, as the volume of the fibers shrinks to zero. Some of the recent results that I will discuss include collapsing in strong topologies away from the singular fibers (joint with Hein), and global Gromov-Hausdorff collapsing in the hyperkahler case (joint with Zhang).

Wednesday, April 4th, 2018
MIT, Room 2-131
Time: 4:00 PM

