BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

SOME NEW SOLUTIONS TO THE STROMINGER SYSTEM

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Math/Computer Science, Room 148
111 Cummington Street, Boston

Tea: 3:45pm in Room 144

Abstract: The Strominger system is a system of PDEs derived by Strominger in the study of compactification of heterotic strings with torsion. It can be thought of as a generalization of Ricci-flat metrics on non-Kaehler Calabi-Yau 3-folds. We present some new solutions to the Strominger system on a class of noncompact Calabi-Yau 3-folds constructed by twistor technique. These manifolds include the resolved conifold $\mathrm{Tot}(\mathcal{O}(-1,-1) \to \mathbb{P}^1)$ as a special case.

See `http://math.bu.edu/research/geom/seminar.html` or contact Siu Cheong Lau *lau@math.bu.edu* for more information.