

BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

THE FU-YAU EQUATION IN COMPLEX GEOMETRY

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April 4, 2018, 4:00 – 5:00pm
Math/Computer Science, Room 148
111 Cummington Street, Boston

Tea: 3:45pm in Room 144

Abstract: In 2008, J.X. Fu and S.T. Yau introduced a new fully nonlinear PDE on compact complex manifolds. The equation arises as a reduction of the Hull-Strominger system of theoretical physics in the special case of certain non-Kähler torus fibrations over a Calabi-Yau manifold. We will discuss recent developments in the study of this equation and its generalization to a family of fully nonlinear PDE without concave second order terms. This is joint work with D.H. Phong and X.-W. Zhang.

See <http://math.bu.edu/research/geom/seminar.html> or contact Yoosik Kim (yoosik@bu.edu) or Siu-Cheong Lau (lau@math.bu.edu) for more information.