BOSTON UNIVERSITY GEOMETRY AND PHYSICS SEMINAR

EUCLIDEAN SCHWARZSCHILD METRIC AND THE ANCIENT SOLUTIONS OF RICCI FLOW IN DIMENSION 4

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April 23, 2014, 4:00 – 5:00pm
Math/Computer Science, Room 148
111 Cummington Street, Boston

Tea: 3:45pm in Room 144

Abstract: The Schwarzschild metric is a Ricci flat named after Karl Schwarzschild. This is a modal for Black hole in theory of General relativity. In 1982, Gross, Perry and Yaffe showed the instability of Schwarzschild metric. According to this observation, we believe that there is a ancient solution Ricci flow which can describe this instability. In this talk, I will prove the existence of this solution by using energy estimate for parabolic equations.

See http://math.bu.edu/research/geom/seminar.html or contact Si Li
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