Analysis and Differential Geometry Seminar

Mass-capacity inequalities for conformally flat manifolds

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Abstract: In this talk I will discuss a recent joint work with Alex Freire where we prove a mass-capacity and a volumetric Penrose inequality in arbitrary dimensions. A by-product of the proofs are capacity and Aleksandrov-Fenchel inequalities for mean-convex domains of Euclidean space. For each inequality,the case of equality is characterized.

Tuesday, February 21, 2012, 4:00 pm

Mathematics and Science Center: W301

Mathematics and Computer Science
Emory University