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The Riemannian Penrose inequality via nonlinear potential theory

Tuesday, 13 June 2023 14:30 (1 hour)

I will discuss the Riemannian Penrose inequality in an asymptotically flat 3-manifold with nonnegative scalar curvature, and the main points of a new proof by means of a monotonicity formula, holding along the level sets of the p-capacitary potentials of the horizon of a black hole.

Joint work with Francesca Oronzio.

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