



复旦大学数学科学学院 数学综合报告会

报告题目: Quasi-local energy and some applications

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时间: 2017-10-23 星期一 10:00-11:00

地点: 光华东主楼 1704

摘要: In this talk, we will discuss the quasi-local energy based on the Hamiltonian formalism. First part of the talk, we will brief introduce the quasi-local energy (QLE) from the Hamiltonian formalism, and show some results for the Kerr QLE. The value of QLE is decreasing with respect to the Boyer-Lindquist coordinate radius r , and increasing w.r.t. the irreducible mass. That may be explained by the second law of black hole dynamics. This part is refer to the works [Phys. Rev. D 95 084042 (2017)] and [Journal of Geometry and Physics 120 (2017) 330–341]. Second part of the talk is about some related works in progress.

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