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Black Holes and Wave Equations

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Two decades ago, we understood that small, four-dimensional, rotating black holes are unstable by solving wave equations, and the superradiance instability and black hole bomb mechanism became popular. Since then, what did we learn from wave equations? In this talk, I will briefly explain the wave equation analysis and current applications for black holes.

Keyword-1

black holes

Keyword-2

wave equations

Keyword-3

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