

Black hole thermodynamics: Lessons from the boundary

This presentation looks into the realm of black hole thermodynamics, emphasizing its connection with boundary conditions. We will explore how various boundary conditions impact the thermodynamic properties of black holes and examine the geometric interpretations of different thermodynamic potentials. By studying the first laws of thermodynamics, we aim to unravel the interesting connection between thermodynamic ensembles and boundary conditions, shedding light on their implications for the geometric structure of black hole spacetimes.

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