Jozef Skakala

UFABC

Black hole asymptotic quasi-normal modes and their conjectured relation to the black hole thermodynamics

Authors: Jozef Skakala

We summarize the basic conjectures about the link between the highly damped black hole quasi-normal modes and the black hole thermodynamics. We analyze basic common features of the asymptotic QNM frequencies of different black hole spacetimes and what these features tell us in terms of the conjectured connection with quantum black holes. We focus in more detail on the case of non-extremal Reissner-Nordstrom black hole and present some open questions.