

Black Hole Quadratic Quasi-Normal Modes

We study the quadratic quasi-normal modes of a Schwarzschild black hole, i.e. those perturbations that originate from the coupling of two (linear) quasi-normal modes.

Assuming the amplitude of the two linear modes is known, we compute the amplitude of the resulting quadratic mode for a wide range of possible angular momenta. Finally, we reconstruct the waveform in radiation gauge.

Would you be interested in presenting a poster? (this will not impact the decision on your talk)

yes

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Session Classification: Reception and Poster Session