

GEOMETRIC OPTICS IN SYMMETRIC SPACETIMES USING BILOCAL OPERATORS

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In a recent paper by Grasso, Korzyński and JS a new kind of bilocal operators were introduced, which can be used to construct observables measuring integrals of curvature and matter along the line of sight. The next step is to quantify these results in order to compare them with upcoming experimental observations as well as estimations coming from numerical relativity. Below results in the case of Schwarzschild spacetime will be presented.