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Title: Testing gravity with black hole shadow subrings

Abstract: The ideal black hole shadow, that is the projection of the spherical photon orbits onto the observer's sky, is in reality not a measurable observable. Instead, one observes the subrings of the shadow, where each subsequent subring is made up of photons that take an extra half orbit around the black hole before reaching the observer. There is much interest in using observations of these subrings to measure the properties of black hole spacetimes using the Event Horizon Telescope and its successors. Here, I present some recent work studying the ability of current and future telescope facilities to measure spacetime properties, including departures from the Kerr metric, using observations of the black hole shadow and its subrings.