

Abstract Submitted
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Modeling large remnant kicks for the mergers of unequal mass black hole binaries YOSEF ZLOCHOWER, CARLOS LOUSTO, Rochester Inst of Tech — Recoils from the mergers of supermassive black hole binaries can be large enough to eject the remnant black hole out of the host galaxy. The actual recoil will depend on the size and orientation of the black-hole spins and the mass ratio of the binary. Here we discuss how relatively few simulations can be used to model the recoil for astrophysically interesting mass ratios, spin magnitudes, and spin orientations.

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