

Abstract Submitted
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A different way to evolve black hole-neutron star binaries
MATTHEW DUEZ, LAWRENCE KIDDER, SAUL TEUKOLSKY, Cornell University — We give a status report on our simulations of comparable mass black hole-neutron star binaries. We evolve the full Einstein equations for the spacetime metric using multidomain pseudospectral methods, and we evolve the hydrodynamic variables using finite volume methods on a separate grid. Our two-grid approach allows us to model the inspiral with particular accuracy.

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