

Abstract Submitted
for the APR06 Meeting of
The American Physical Society

Unequal-Mass Binary Black Hole Inspirals¹ DEIRDRE SHOEMAKER, FRANK HERRMANN, PABLO LAGUNA, Penn State — We present results from fully nonlinear simulations of inspiralling, unequal mass binary black holes. We show waveforms of the dominant $l = 2, 3$ modes. The power spectrum of these modes yields insight on how the mass ratio in a binary impacts the degree of complexity of the emitted waveforms. In addition, we provide approximate estimates of energy and angular momentum radiated as well as kick velocities from gravitational radiation recoil.

¹Work supported by NSF grants PHY 0114375, PHY-0244788 and PHY-0354821.

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Date submitted: 11 Jan 2006

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