

Abstract Submitted
for the APR10 Meeting of
The American Physical Society

Extreme Black-Hole Binaries YOSEF ZLOCHOWER, CARLOS LOUSTO, MANUELA CAMPANELLI, Rochester Institute of Technology — In this talk I will show recent results obtained by the RIT group from simulations of highly-spinning binaries, including new data that gives near maximal spins, and high-mass ratio binaries. Simulations in both of these regimes are numerically challenging. However, as astrophysical binaries are expected to be highly-spinning and have high mass ratios, accurate simulations in these regimes are crucial for understanding the dynamics of realistic binaries.

Yosef Zlochower
Rochester Institute of Technology

Date submitted: 22 Oct 2009

Electronic form version 1.4