

Abstract for an Invited Paper  
for the APR06 Meeting of  
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**Simulations of Binary Black Hole Mergers**

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I will review recent advances in the simulation of binary black hole mergers using a numerical scheme based on generalized harmonic coordinates. After a brief overview of the formalism and method I will show results from the evolution of several different classes of initial data, including unequal mass binaries and Cook-Pfiefer quasi-circular inspiral data sets.