

Abstract Submitted
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Puncture evolution without BSSN DAVID BROWN, North Carolina State University — The moving puncture technique is used by a number of numerical relativity groups to model binary black hole spacetimes. Thus far this technique has been limited to the BSSN formulation of the Einstein equations with 1+log slicing and gamma-driver shift conditions. In this talk I will describe my recent efforts to extend the moving puncture paradigm to include other formulations of the Einstein equations and other gauge conditions. Numerical testing of these ideas is carried out using a simple 1D code that assumes spherical symmetry, suitable for modeling a single non-spinning black hole.

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