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Puncture-Based Evolutions of Highly Spinning Black-Hole Binaries YOSEF ZLOCHOWER, CARLOS LOUSTO, JAMES HEALY, Rochester Inst of Tech, IAN RUCHLIN, West Virginia University — We recently developed a code for solving the 3+1 system of constraints for highly-spinning black-hole binary initial data in the puncture formalism. Here we explore how different choices of gauge can be used to efficiently evolve binaries with near maximal spins.

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