Numerical Relativity from a Gauge Theory Perspective WILL
FARR, MIT — We briefly describe the formulation of general relativity as an
$SO(3,1)$ gauge theory. We explain how this formulation admits an elegant, geometric and coordinate-independent discretization. We present results from numerical simulations of simple spacetimes using this formulation.

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Date submitted: 11 Jan 2007   Electronic form version 1.4