

Abstract Submitted
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Spike behavior in the approach to spacetime singularities¹ DAVID GARFINKLE, Oakland University, FRANS PRETORIUS, Princeton University — We perform numerical simulations of the approach to spacetime singularities. The simulations are done with sufficient resolution to resolve the small scale structures (known as spikes) that form in this process. We find an analytical formula for the shape of the spikes and show that the spikes in the simulations are well described by this formula.

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