

Abstract Submitted
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Formation of naked singularities in gravitational collapse

SOURABH NAMPALLIWAR, University of Texas, Brownsville — An important consequence of the cosmic censorship conjecture is that all singularities formed in a gravitational collapse are hidden inside black holes. Several examples that violate the conjecture have been found, but all of them are either too specialized or unphysical. We are studying the causal structure of spherically symmetric gravitational collapses to find if such singularities form generically.

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