

Abstract Submitted  
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**Oppenheimer-Snyder Collapse in AdS Spacetime** ERIC VAN OEVEREN, BRETT BOLEN, Grand Valley State University — Since Oppenheimer and Snyder first studied the collapse of stars under their own weight in 1939, many other studies on gravitational collapse have been performed. In this project, we study the gravitational collapse of pressureless dust in AdS spacetime. This project compares and contrasts the redshift of null rays emitted from an infalling dust cloud in this Schwarzschild AdS spacetime to that of an ordinary Schwarzschild spacetime.

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