

Abstract Submitted  
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**Test of Relativity Theory Using Spinning Bodies in Low-Earth Orbit** RYAN EVERETT, JAMES OVERDUIN, Towson University — Using measurements of geodetic precession around the Earth from Gravity Probe B, we constrain departures from Einstein's General Relativity for a spinning test body in Kaluza-Klein gravity with one additional space dimension. We consider two of three known time-independent, spherically symmetric solutions of the 5D field equations and obtain new constraints on the values of the free parameters associated with each metric.

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