

Abstract Submitted
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Chaos in the general relativistic three-body problem TAYLOR MORGAN, JARED JAY, DAVID NEILSEN, Brigham Young University — The three-body problem in classical gravity is known to have chaotic solutions. We are investigating chaos in the three-body problem in general relativity using post Newtonian equations. We model a binary system that interacts with an incoming star. We present results of these interactions that display features of chaos, such as sensitivity to initial conditions and scale invariance.

Taylor Morgan
Brigham Young University

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