

Abstract Submitted
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Analysis of the Sagittarius Dwarf Galaxy Tidal Tails BART SNYDER, JEANNETTE MYERS, Francis Marion University, MARY RUSTHOVEN, SC Governor's School for Science and Mathematics, LIH-SIN THE, DIETER HARTMANN, Clemson University — The Sagittarius Dwarf Galaxy is one of the satellite galaxies interacting with the Milky Way. Discovered to be located just below the galactic center; this galaxy is currently being tidally disrupted as it approaches the Milky Way disk. We performed a series of N-body simulations of the interaction between Sagittarius and the Milky Way over a 1 Gyr time period leading up to today's position. Here we present our analysis of the tidal tails and compare them to the known tidal structures we observe today.

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