

Research Assignment 1

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February 2020

1 Topic Proposal

What is the fate of stars at the Sun's location (8 kpc from the center of the galaxy) – but in M31's Disk?

Visualize the night sky from the perspective of an observer on an M31 Sun throughout the merger. Visualize the locations of components of the original galaxies within the merged remnant, or visualize kinematics.

This topic would require learning how to create dynamic three dimensional simulations which is something that I am very interested in learning about.