

Research Assignment 1

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For my research project I have decided to do a study focusing around M31, more specifically the stars.

1 What is the fate of stars at the Sun's location (8 kpc from center of the Galaxy) - but in M31's disk?

- Do M31 Solar particles get ejected from the system or captured by M33? Lie at larger or smaller radii? Move faster or slower?
- Visualize the night sky from the perspective of an observer on an M31 Sun throughout the merger. (visualize the location of components of the original galaxies within the merged remnant, or visualize kinematics.