

# ASTR 400B - Research Assignment 1

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## 1. RESEARCH PROJECT TOPIC

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

## 2. RESEARCH QUESTIONS I PLAN TO STUDY

Visualize the kinematics of the night sky from the perspective of an observer on an M31 Sun throughout the merger

For each snapshot, I would like to populate a plot with distributions of points to look like MW, M33, and M31. Then, I could compile them all at the end to make a movie of how their interaction looks.