

# Astr 400B Research Assignment 1

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## **1 Heading**

5 : Galaxy Merger Sequence of MW and/or M31: baryonic evolution through close encounters

## **2 parts to be explored**

- 1 how does the rotation curve of each galaxy evolve (disk and/or bulge) ?
- 2 how does the velocity dispersion of each galaxy evolve ?
- 3 how does the stellar density profile of the disk evolve (disk and/or bulge) ?