

# ASTR400B Research Assignment

Xingzhong Fan

Feb 2020

Stellar Streams of M33 (during and after the MW-M31 merger)

1. M33's streams' dynamics - velocity gradients, velocity dispersion and how they change in the combined MW+M31 potential?
2. how well do M33's streams trace the orbit of M33? how does this behavior evolve and why does this happen?
3. how and when do M33's streams form?