

400B Research Assignment Project 1

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1 Topic Chosen :

2.Tidal transformation of Satellites(M33)

2 The specific research question:

- 1.How stars contribute to this? Analysis through:
 - a.How do stars internal structures and dynamically change impacted tidal transformation during their evolution process.
 - b. During star evolution, how does star mass loss rate changes? and how does stellar mass loss contribute to tidal transformation.
- 2.How dark matter contribute to this? Analysis through:
 - a.How does dark matter halo change, during evolution process. And how does the change impact on tidal transformation.
 - b.How does the mass loss rate and dynamically change of dark matter contribute to tidal transformation.