Grading Rubric : ASTR400B Research Assignment 2

Name: [Jesina,Ellen Lee](https://github.com/ellenjesina/ASTR400b)

**A Introduction 10 / 10**

Each of the below points should be a separate paragraph in your introduction.

1. Define the Proposed Topic. 1/1
2. State why this topic matters to our understanding of galaxy evolution. 2/2
3. Overview our current understanding of the topic. 2/2
4. What are the open questions in the field? 2/2
5. Cite at least 3 journal papers. Use BibTex for formatting citations 1/1
6. Include at least one figure with caption from those papers to motivate your work. 2/2

**B. The Proposal / 10**

They must answer each of the below questions as separate subsections.

1. What specific question(s) will you be addressing? 1/1
2. How will you approach the problem using the simulation data? Here you should outline the codes you’d need to write. It can be in general terms. 3/5
3. Include at least one figure that illustrates your methodology. 2/2
4. What is your hypothesis of what you will find? Why do you think this will occur? 2/2

**C. Misc. /5**

1. Proper Grammar 1/1
2. Included a bibliography 1/1
3. In Latex and ApJ/MNRAS formatting 2/2
4. On Time/On Github 1/1

**TOTAL** 23**/25**

**Late Penalty:**

* if submitted on due date, but after 5 PM  **(-5 points).**
* Proposals will **not be accepted** after the due date.

**Comments: -2: need more clarity on your methodology and more specificity on the problem you will tackle. You seem to be focusing on a lot of things - mass profile, rotation curve, velocity dispersion, angular momentum. You need to narrow down on exactly what plots you will be making to answer your question. In the end you should be aiming for 1-2 main calculations that result in 1-2 final plots.**

**It might be easiest to consider the fraction of the a) total stellar mass, b) total angular momentum that is being contributed by each component (MW disk, MW bulge, M31 disk, M31 bulge) as a function of distance from the merger center.**