Grading Rubric : ASTR400B Research Assignment 2

Name: [Mack,Laura Johanna](https://github.com/LauraJM112/ASTR400B)

**A Introduction 10 / 10**

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

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

**B. The Proposal 8 / 10**

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

1. What specific question(s) will you be addressing? /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
4. What is your hypothesis of what you will find? Why do you think this will occur? /2

**C. Misc. 5/5**

1. Proper Grammar /1
2. Included a bibliography /1
3. In Latex and ApJ/MNRAS formatting /2
4. On Time/On Github /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 equation of the Sersic profile. What snapshots will you be considering ? What other Sersic indices will you consider ?**

**Note that for your proposal question - it’s not clear for sure that the MW-M31 merger remnant can be described as a classical elliptical.**

**Make sure to be clear that to use the sersic profile you have to assume something about the Mass to Light ratio, since the sersic profile is really used to describe the surface brightness.**