Grading Rubric : ASTR400B Research Assignment 2

Name: [Ernster,Tugg C](https://github.com/ternster03/ASTR400B.git)

**A Introduction 9.5/ 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. 1.5/2

**B. The Proposal 10/ 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. 5/5
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. 5/5**

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** 24.5**/25**

**Late Penalty:**

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

**Comments: -0.5: need better resolution figure 1. Very good ! I am eager to see your results.**

**What happens if M33 is so disrupted that the “half mass radius” is at very large distances? What would that do to your computation of velocity dispersion? Instead it would be better to compute the velocity dispersion within the Jacobi Radius, that way you will be sure that the bulk of the material is still bound to M33. See Lecture 9 and associated Lab.**