Grading Rubric : ASTR400B Research Assignment 2

Name: [Harnist,Zach P](https://github.com/zharnist/Astro400B?tab=readme-ov-file#astro400b)

**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. 4/5
3. Include at least one figure that illustrates your methodology. 1/2
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: what equations will you be fitting and what snapshots will you be using ? The figure needs to be relevant to the methodology**

**Note - the simulation we are using isn’t a “cosmological simulation” it is an idealized N-body simulation . Cosmological sims are those that start in the early universe using initial conditions for the dark matter distribution that follow the density fluctuations in the CMB.**