ASTR/PTYS 578 :   Assignment 2 Part A **Mock Abstract**

Part A DUE : Jan 26 2026 by 12 PM
FORMAT: Submit a word doc from a google doc (editable) on D2L
FILENAME: LastName_Assignment2_PartA.doc

Pick an abstract for a paper that is relevant to your chosen science category (Assignment 1). The paper can be theoretical or observational and you can also be the author. It does not need to use HST data or be JWST related. It should be a paper you understand well – ideally written by someone in your research group or yourself.

A) Re-write the title of the paper so that it would be compelling as a proposal. The title should stem from the "problem".

B) Re-write the abstract as if you were part of a team proposing the project as a new program – specify the agency/program/facility you are applying for either in the abstract itself or somewhere in the submission document. Follow the below instructions

Instructions for New Abstract:
  - Start with one fact that no one is going to argue with.
  - State why the fact is important
  - State "the problem" (However …)
  - State the Goal: i.e. the proposal for the "key component" using a particular target (We propose to …)
  - State the solution to the problem/the proposed strategy (to generate the "key component" using the "target").
  - State why this solution is important to the *subfield*.
  - End with a statement about the broader implications of your results to *other subfields.*

• Highlight each of the above components in your abstract in a **different color**.

• Abstract must be no longer than **20 lines of 85 characters of text** (including spaces). In other words max 1700 characters including white spaces.

• **List the character count** at the end of the abstract.

• **Use qualifiers**: "first ever", "cutting-edge", "unique", "critical", "new", "rigorous" to convey urgency and importance of the science.

• DO NOT USE GENERATIVE AI for this assignment – that will follow in Part B!

C) Include the original paper's title, abstract, author list and a link to the paper at the end of the document