

CS554 Homework

Linpack

Instructions:

- *Assigned date: Thursday April 6th, 2023*
- *Due date: 11:59PM on Tuesday April 11th, 2023*
- *Maximum Points: 3*
- *This assignment must be done individually*
- *Please post your questions to BB*
- *Only a softcopy submission is required to BB*
- *No late submission will be allowed on this assignment*

Overview

You are to read the 2003 LINPACK paper that discusses in detail the Linpack Benchmark, which has been used for decades to create the Top500 ranking (<https://www.top500.org>).

<https://onlinelibrary.wiley.com/doi/pdf/10.1002/cpe.728>

Your review must be written in a narrative form, with bullets when appropriate. You are to generate a PDF file and submit it on BB before the deadline. You must do these reviews individually.

Your review should include the following information:

- Reviewer name (that is you)
- Paper title
- Paper authors
- Publication venue (conference, workshop, or journal name)
- Year of publication
- Paper summary (150~300 words); Clearly state the nature of the work (e.g. implementation of a real system, simulation, theoretical, empirical performance evaluation, survey, etc)
- What are the core contributions of this paper (1~3 items)
- How is this work/solution different than related work (<300 words)?
- Pros: Identify 3 things that this paper does well
- Cons: Identify 3 things that this paper could do better
- Identify 1 thing that the author could do that would make the paper better
- Identify 1 thing that someone could pursue as future work (that is not identified in the paper already)

Your review should be 1 to 2 pages long. It is expected that you spend several hours for each paper to read and writeup this review.