

Peer Review

Review of: "Improve the Performance of Search Processes in Large Linked Lists using Multi-threading and Caching Techniques"

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In the paper, the scenario of large linked lists is considered. With multithreading and caching techniques, obvious improvement in the searching time can be observed. Also, the overall performance can be improved. Some further investigation on the scalability analysis is conducted. The approach proposed in the paper could be useful for computers dealing with large linked lists.

Generally, the paper is well-written and clearly exhibited. However, there are some concerns that should be addressed:

1. Other performance metrics, such as hit rate/miss rate and latency of cache, should be included to make the work more comprehensive.
2. Different scenarios of the linked lists should be considered.
3. Comparison with other published results should be made.
4. There are some typos and grammar mistakes in the manuscript, such as: "P6: We used C++ built-in random function rand() is used to create a random dataset."

Declarations

Potential competing interests: No potential competing interests to declare.