

# Errata For “CGgraph: An Ultra-fast Graph Processing System on Modern Commodity CPU-GPU Co-processor”

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## ABSTRACT

This erratum addresses and corrects a mistake in CGgraph [1], published in PVLDB 2024.

In May 2024, an author of EFG [2] inquired about the reported performance of EFG in Figure 12 of CGgraph[1], as the numbers reported therein did not match his own reported measurements in his own publication. Subsequently, the authors of CGgraph investigated and confirmed that the values reported for EFG were incorrect. The teams debated ways to rectify the error but did not reach an agreement. Following a discussion round organized by the PVLDB management team, the decision was made to remove the comparison with EFG from Figure 12 entirely. As a result, Figure 1 shown in this erratum will replace Figure 12 in CGgraph [1].

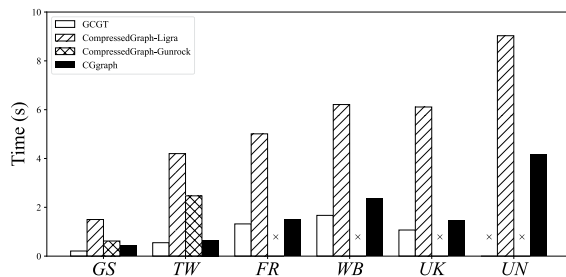


Figure 1: Corrected Figure 12: The performance of running BFS on compress-based graph systems and CGgraph

## PVLDB Reference Format:

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## REFERENCES

- [1] Pengjie Cui, Haotian Liu, Bo Tang, and Ye Yuan. 2024. Cggraph: An ultra-fast graph processing system on modern commodity cpu-gpu co-processor. *Proceedings of the VLDB Endowment* 17, 6 (2024), 1405–1417.
- [2] Prasun Gera and Hyesoon Kim. 2023. Traversing Large Compressed Graphs on GPUs. In *2023 IEEE International Parallel and Distributed Processing Symposium (IPDPS)*. IEEE, 25–35.

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