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Thread: [Bridging the Gap Between BFS and Indexing for Large Graphs](#)

Stanley - *October 15, 2025, 4:35 pm*

Bridging the Gap Between BFS and Indexing for Large Graphs

WormHole is a novel algorithm that bridges the gap between traversal-based and index-based graph search methods. It enables fast, scalable shortest-path queries on massive real-world networks without requiring full graph access or large preprocessing overhead. By exploiting core-periphery structures, WormHole constructs a compact sublinear index, delivers near-exact paths, and can be combined with existing methods for even faster results.

<https://hackernoon.com/bridging-the-gap-between-bfs-and-indexing-for-large-graphs?source=rss>

Hackers - *October 19, 2025, 9:18 pm*

I think Stanley double-posted this similar topic, but here's the paper:

<https://arxiv.org/abs/2406.08624>

Pretty nifty. It sounds like they pre-index and compare different datasets to speed up queries when needed.

leste - *October 30, 2025, 4:43 pm*

Balancing those was hard on large graphs.