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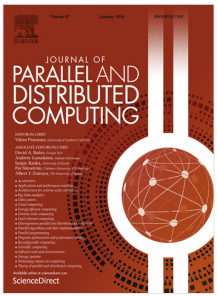

Optimum benefit protocol: A fast converging, bandwidth-efficient decentralized similarity overlay

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***Highlights (for review)**

- Proposed a new gossip-based similarity overlay protocol, OBP.
- OBP addresses the *long tail convergence* problem of existing similarity overlays.
- OBP consumes 80% less bandwidth than existing protocols.
- OBP uses a novel *node selection strategy* for gossip.
- OBP demonstrates superior performance with real datasets.

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