

# Annotated Bibliography on Distributed Consensus

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## 1 Books

## 2 Framework

van Renesse, R., Schiper, N., and Schneider, F. B. Vive la différence: Paxos vs. view-stamped replication vs. zab. *IEEE Trans. Dependable Secur. Comput.* 12, 4 (2015), 472–484

*Paxos, Viewstamped Replication, and Zab are replication protocols for high-availability in asynchronous environments with crash failures. Claims have been made about their similarities and differences. But how does one determine whether two protocols are the same, and if not, how significant are the differences? We address these questions using refinement mappings.*

Wang, Z., Zhao, C., Mu, S., Chen, H., and Li, J. On the parallels between paxos and raft, and how to port optimizations. In *Proceedings of the 2019 ACM Symposium on Principles of Distributed Computing*, PODC '19, Association for Computing Machinery (New York, NY, USA, 2019), 445–454

*In this paper, we present a formal mapping between Raft and Paxos, and use this knowledge to port a certain class of optimizations from Paxos to Raft.*

## 3 Paxos and Variants

## 4 Raft and Variants

## 5 Systems