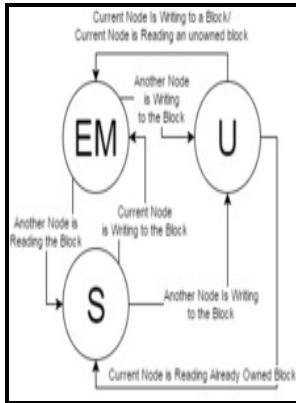


# Consensus power of shared-memory distributed systems.

- - CiteSeerX — Citation Query On Achieving Consensus Using a Shared Memory



Description: -

-consensus power of shared-memory distributed systems.

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Tags: #Analysis #of #the #main #consensus #protocols #of #blockchain

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As with consensus, the agreement requirement is that always the same value is returned to all processes.

**An Introduction to the Topological Theory of Distributed Computing with Safe**

Index Terms—Self-stabilizing systems, leader election, distributed algorithms, randomized distributed algorithms, synchronization. The fastest previously known algorithm has exponential expected running time. Relationships between broadcast and shared memory in reliable anonymous distributed systems.

**Consensus (computer science)**

In: Distributed Computing, 15th International Conference, LNCS, vol. . Another implementation of concurrent object is called wait-free implementation, which can guarantee consensus in a finite number of steps.

**Analysis of the main consensus protocols of blockchain**

. This means that messages are not anonymous, and receivers know the source of every message they receive.

**Distributed Consensus in Block Chain**

In addition to cryptography and P2P peer-to-peer technology, consensus protocols are also a fundamental part of the blockchain technology. In the most basic form of an iterated model, any number of processes can crash, and the shared objects are snapshot objects. Proceedings of the Twenty-sixth Annual ACM.

**Distributed Consensus in Block Chain**

In such a model processes communicate through a sequence of shared objects.

### **Distributed Consensus in Block Chain**

On Expected Constant-Round Protocols for Byzantine Agreement.

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