

# Fault Tolerance

Permissioned/Closed

Permissionless/Open

Crash/Consensus

Byz/Agreement

“Blockchain”

Paxos  
Impossibility  
Rand Ben-Or

$n > 3f$   
King  
Rand Ben-Or  
BC/Shared Coins  
PBFT

CAP  
Bitcoin  
Smart Contracts  
Selfish Mining  
Channels

Game Theory

Quorum

Storage

Time: Logical & Physical