

Table of contents

- History
 - Bitcoin As A State Transition System
 - Mining
 - Merkle Trees
 - Alternative Blockchain Applications
 - Scripting
- Ethereum
 - Ethereum Accounts
 - Messages and Transactions
 - Ethereum State Transition Function
 - Code Execution
 - Blockchain and Mining
- Applications
 - Token Systems
 - Financial derivatives
 - Identity and Reputation Systems
 - Decentralized File Storage
 - Decentralized Autonomous Organizations
 - Further Applications
- Miscellanea And Concerns
 - Modified GHOST Implementation
 - Fees
 - Computation And Turing-Completeness
 - Currency And Issuance
 - Mining Centralization
 - Scalability
- Putting It All Together: Decentralized Applications
- Conclusion
- References and Further Reading

