

# The Great Bitcoin Debate

**By Taylor Gerring**

# The Recipe

Pairs well with 2008 Satoshi!

- Asymmetric cryptography
  - Merkle data tries
  - Distributed Hash Tables
  - Incentivised validation
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**One chain to rule them all?**

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# Distributed Trust

1. Extract signing & verifying properties of asymmetric cryptography
2. Combine with Merkle tries to form immutable log of events
3. Share with peers anywhere
4. Take random turns to validate & finalize the log every N seconds



**Blockchains!**

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# Plurality of decentralized systems

Litecoin / 2.5 block time

Dogecoin / fun

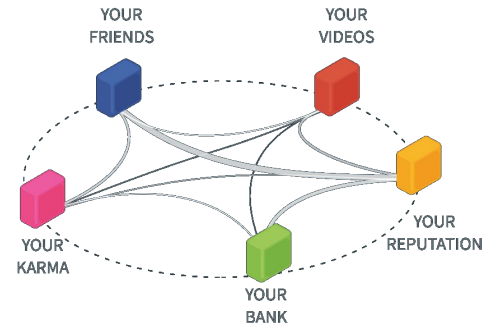
Darkcoin / private

Not just value transfer—innovation in all industries

Generalised state transition machine as “DApp platform”

Decentralized storage and messaging

Embracing new internet protocols





The experiment

# ...and decentralizing software

- Value
  - Bitcoin
  - DASH
- Processing
  - Ethereum
- Storage
  - IPFS
  - Maidsafe/Storj
  - BigchainDB
- Messaging
  - ???







# Taylor Gerring

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