

HashgraphVideo

Is Hashgraph a Blockchain Killer?

Recent Comments On Our Channel

“If Hashgraph is PATENTED and OWNED, you know that it will soon be BOUGHT, OWNED and RUN by the central bankers”

“Blockchain tech is definitely over. But this won't happen over night, so everyone can sleep soundly for the next 700 days.”

This Video Has Created A Lot Of BUZZ



From Bitcoin To Hashgraph: The Crypto Revolution - Hidden Secrets Of Money
Ep 8 - Mike Maloney

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...

Excellent summary by Brandon of the Bitcoin Investors Club

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Leemon Baird Bonus Features: Hidden Secrets of Money, Episode 8

DEC 18, 2017

Could Bitcoin Cause Global Warming? Mike Maloney Asks Leemon Baird



16:07 / 28:40

Support

Will Hashgraph Replace Blockchain and Bitcoin?

2,962 views

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But Comparing BLOCKCHAIN with
HASHGRAPH

Is like comparing APPLES with ORANGES

A comparison of apples and oranges occurs when two items or groups of items are compared that cannot be practically compared. The idiom, comparing apples and oranges, refers to the apparent differences between items which are popularly thought to be incomparable or incommensurable, such as apples and oranges.



Wikipedia



HACKERNOON



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1.2K



As Hashgraph is currently a private distributed ledger, its throughput should be compared with the likes of other private blockchains, e.g., IBM HyperLedger Fabric (700 transactions per second) or Red Belly (400,000 transactions per second). Its throughput should not be compared with public blockchains like Bitcoin or Ethereum (10 transactions per second) as it is equivalent to comparing apples with oranges. Currently, Hashgraph has yet to release concrete technical details for its deployment as a public ledger.

[Hackernoon.com](https://hackernoon.com)

Hashgraph - Does Blockchain Have Competition? - Invest in Blockchain

Updated Dec 28, 2017

investinblockchain.com

*“Whether Hashgraph ever becomes relevant in the cryptocurrency space remains to be seen. As to whether it will make blockchain obsolete, as some have speculated, that answer is much clearer—blockchain is still king in the land of **cryptocurrencies**”*

investinblockchain.com/hashgraph-blockchain-competition



Bitcoin is appealing to people because it solves the Byzantine Generals' Problem using blockchain technology. It's wide open and no one has control over it. Plus, everyone can see exactly how it works because it gives full transparency.

Hashgraph on the other hand, is completely centralized.** Many people think it's decentralized because it solves the Byzantine fault tolerant just like Bitcoin, and in fact it does this much better than Bitcoin does—this is all very true, and it is the reason I fell in love with Hashgraph at first. But everyone seems to be forgetting one important detail: **Hashgraph has a patent, and is NOT open source.

medium.com/@Lansana/i-was-wrong-hashgraph-is-actually-very-bad-bf7d9b2e8d99

Blockchain is like Linux and Hashgraph is like Microsoft

PUBLIC Vs PRIVATE

The End of Blockchain?

Hashgraph has the potential to displace Blockchain

INTRODUCTION TO DISTRIBUTED LEDGERS

DECENTRALIZED
SECURE
FASTER
TRUST
CHEAPER
IMMUTABLE
DISINTERMEDIATION

Distributed ledgers are a method of recording and storing data. It is a system where a group of computers come to an agreement on the order of transactions.

The benefits they provide are highlighted beside. It is these benefits that has caught the attention of various industries such as financial services, healthcare, etc.

There are 4 types of consensus system:

Proof of Work
Blockchain

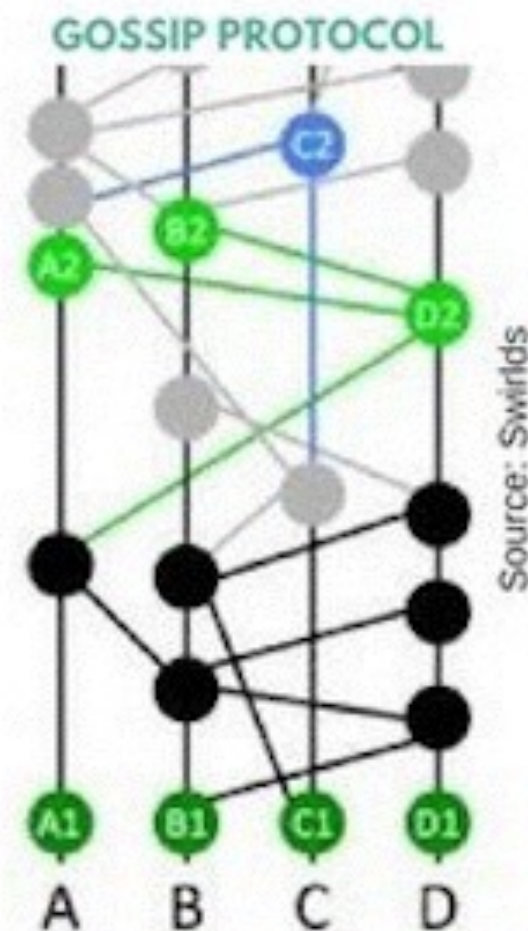
Proof of Stake
Ethereum

Leader Based
RAFT

Voting Based

HASHGRAPH

Hashgraph is the 5th type. Unlike Blockchain which creates an immutable version of history through blocks, Hashgraph relies on the 'gossip protocol' to ensure that members sync with each other. In the gossip protocol, each member calls another member at random to sync with them. The diagram on the right illustrates how the sync happens. The first line from B to D shows B syncing with D, thereby updating itself with everything D knows. D then syncs with B, updating itself. As this process goes on, everyone knows everything as transactions are time stamped. This is faster than the Blockchain (below). Security is ensured by adding a hash of recent events, thereby linking the whole system. Blockchain uses the protocol to disseminate information regarding blocks.



THE HASHGRAPH ADVANTAGE

FAIRER

No one can influence transaction order

FASTER

No delays computation and other steps

ECONOMICAL

Lower transaction cost -lower fixed capital and energy consumption

ASYNCHRONOUS BFT

Asynchronous Byzantine Fault Tolerant refers to being able to work even under uncertain conditions of internal attacks

SCALABLE

250,000+ transactions per second vs 7 (blockchain)

Hashgraph is a significantly superior distributed ledger. It is a system without the shortcomings of Blockchain. While those who have developed Blockchain solutions will continue with it, the ones who are are still exploring are likely to actively explore Hashgraph.

Sources: Swirlds, Hidden Forces

Author would like to Thank Mr. Mance Harmon and Mr. Paul Madsen from Swirlds



Two Worrying Trends

Proof Of Work Is Costly

Bitcoin mining consumes more electricity a year than Ireland

Network's estimated power use also exceeds that of 19 other European countries, consuming more than five times output of continent's largest windfarm



i Bitcoin is backed by 'miners', who put specialised computers to work churning through extremely power-intensive computing problems. Photograph: Alexander Demianchuk/TASS

theguardian.com/technology/2017/nov/27/bitcoin-mining-consumes-electricity-ireland



Are Bitcoin Miners Controlling The Currency?

Bitcoin is an innovative cryptographic currency running on a decentralised platform known as the Blockchain which serves as the public ledger where all transactions made on the network are handled and recorded. The idea of 'decentralisation' along with its democratic ways of handling transactions – peer to peer, pseudonymous – are just a few reasons why it is considered one of the most innovative inventions of the 21st century.

Top 3 Bitcoin Mining Pools Control 54% of the Total Pool Distribution

However, with increasing concerns over miners and how they rule the way transactions are handled over the Blockchain, there is a growing need for reconsideration towards its alleged 'democratic' feature. Transaction fees have staggeringly increased over the past few months with low-fee

bitcoin.co.uk/page/bitcoin-miners-controlling-currency/

Blockchain Vs Hashgraph



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**ONLY TIME
[WHATEVER
THAT MAY BE]
WILL TELL**

Stephen Hawking

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