

# Hypothetical Problems concerning the Theory of Relativity on Cryptographic Currency Implementations

Abraham Ladha  
Computer Security  
Armstrong State University  
abrahimladha@protonmail.ch

*Abstract*—this is my abstract section

## I. WHAT IS BITCOIN?

**History** Bitcoin was invented by someone using the pseudonym Satoshi Nakamoto. In his original whitepaper titled "Bitcoin: A Peer-to-Peer Electronic Cash System", he introduces the concept of a decentralized and cryptographically secured monetary system. He also covers topics on proof-of-work, transactions, mining, privacy, and attacks on the network. [1] It was implemented as free software and released in January 2009. Unlike gold, bitcoin has no attachment to any sort of industry, so the price day to day price fluctuation is really based on nothing but speculation. It has been as high as 1000 USD per bitcoin. [2]

**Units** There can only ever exist a maximum of 21 million bitcoins. Each bitcoin can be broken up into a hundred million pieces, much like a single US Dollar can be broken up into one hundred pennies. The smallest unit of bitcoin is called a satoshi.

**Ownership** Since bitcoin has no central authority, transactions are made user to user. A user can only send bitcoins to another user if they can digitally sign the transaction with their private key. Without the private key, a malicious user cannot sign the transaction and the coins cannot be spent.

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## II. THE THEORY OF RELATIVITY

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## REFERENCES

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- [2] M. Farrell. (2013). *What Bubble? Bitcoin Tops \$1000* [Online]. Available: <https://blogs.wsj.com/moneybeat/2013/11/27/what-bubble-bitcoin-tops-1000/>
- [3] J. K. Author. (year). *Title* (edition) [Type of medium]. Available: <https://www.example.com>