

Discussion Note

The Genus Question

Karim Daghbouche*

GridSAT Stiftung, Hannover (Germany)

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ABSTRACT

Today is a scary and dark day, as humanity moved forward to the brink of nuclear extinction questioning its own genus. From an astropolitical perspective, humanity neither requires more democracy nor weapons targeting each other. But it needs a new human narrative.

Keywords: Civilization, Humanity, Democracy, Coinage Monopoly, Monopoly on Violence, Cryptocurrency, Complexity Theory, Non-Monetary Economy

CIVILIZATION AND HUMANITY

Civilization is a spiritual condition. A condition, where changes in knowledge and technology are collaboratively shared for the balanced improvement of the living conditions of a genus altogether.

It requires faith.

Therefore, civilization cannot be measured by the degree of technological capabilities. Those who do however, by even transforming nuclear capabilities to threaten the whole genus and its habitat, are at least equal to humanity's most primitive and perverse excess.

DEMOCRACY

Democracy is a charming form of government, full of variety suggesting legislative and executive power to the people with equality, freedom, and justice. Nevertheless, constitutional democracy establishes limits to the popular will passing into despotism:

Although designed to be spiritually empty at its core, almost all current democracies pursue absolute power in a cruel and oppressive way claiming both:

- coinage monopoly
- monopoly on violence

COINAGE MONOPOLY

While the coinage monopoly was successfully defeated by various courageous icons of the *Cypherpunk* initiative (Wikipedia-contributors, Cypherpunk 2022) such as *Philip R. Zimmermann* (Wikipedia-contributors, Phil Zimmerman 2022) by taking encryption technology notwithstanding of violating then current U.S. Export Controls in 1991 into the public domain (214 years after *The Second US Continental Congress Declaration of 1776* (Wikipedia-contributors, United States Declaration of Independence 2022)), *Bitcoin* technology finally paved the way not only to free democracy but potentially all the people in the world in

*Corresponding author: karim.daghbouche@gmail.com

2009 (Wikipedia-contributors, Bitcoin 2022).

In this sense, the ever-debated pervading evil of democracy being the tyranny of the majority proves to be a factor. Else January 9 2009 would be celebrated more than *Independence Day*.

MONOPOLY ON VIOLENCE

Ironically, the most promising way to free the people from *MAD* policies of mutual assured destruction (Wikipedia-contributors, Mutual assured destruction 2022) and all other forms of non-democratic oppression, may just be to render cryptography impossible altogether:

COMPLEXITY THEORY

As threatening as it may be perceived, especially for cryptocurrencies which just defeated the coinage monopoly, the current cryptographic infrastructure is built on sand unless important mathematical conjectures are either proven, refuted or proven to be unprovable (Wikipedia-contributors, P versus NP problem 2022), i.e., any cryptographic function - specifically SHA-2 (Wikipedia-contributors, SHA-2 2022) - is formally weak with regard to theoretic brute-force physical cost theorems.

CRYPTOCALYPSE

Assuming a sudden failure of all complexity-based cryptographic infrastructure in a disruptive black swan event (Wikipedia-contributors, Black swan theory 2022): Whether caused by rumor of a theoretic, non-constructive or constructive proof (E. Abdelwahab, Constructive Patterns of Logical Truth 2016), (E. Abdelwahab, On the Dual Nature of Logical Variables and Clause-Sets 2016), (E. Abdelwahab, #2SAT is in P 2018), (E. Abdelwahab, The P vs. NP

Problem - J.Acad. Lecture Series - Lecture 1/2 2018), (E. E. Abdelwahab 2021) and/or just by an actual implementation causing, e.g., a SHA-2 collision, the consequences will range from compromised nuclear command and control chains, instant shutdown of stock exchanges, total depreciation of cryptocurrencies and stop of any kind of online transactions with an evaporation of all and any social accounts to going off the online-grid for powerplants, fuel stations, i.e., a collapse of the global digital infrastructure.

And there is no contingency plan. While in theory, OTP (Wikipedia-contributors, One-time pad 2022) and QKD (Wikipedia-contributors, Quantum key distribution 2022) could provide with complexity-independent cryptography, real-world implementations may serve despotic monopolies with the defense sector and intelligence agencies at the most. This is due to the required infrastructure excluding the 99% who serve the 1% (Wikipedia-contributors, 99%: The Occupy Wall Street Collaborative Film 2022) from the cryptographically secured economic system.

NON-MONETARY ECONOMY

As a consequence of a broad cryptographic failure, the social contracts of *Hobbes*, *Locke*, and *Montesquieu* (Wikipedia-contributors, Social contract 2022) cannot be maintained any longer proving *Rousseau* to be right with the social contract being indeed not a willing agreement, but a fraud against the 99% committed by the 1% (Wikipedia-contributors, The Social Contract 2022). But the by far most important impact would result from the complexity theoretic implications for the global society by a quantum leap reduction of complexity in science and technology yielding:

- any vaccine & cure
- quantum computation
- learning becoming trivial
- truly distributed networks
- perfect hard- and software
- curing cancer and diabetes
- quality food for everybody
- optimal parallel computing
- proteins decomposing plastics
- formal proving becoming trivial
- material design on isotopic level
- borderless language to connect peoples all around the world
- accurate weather-, earthquake- and other natural phenomenon predictions
- moving people, goods, and information fastest, cheapest, and most ecological
- humanity relieved from trivial creativity making the evolutionary leap to spirituality

Fostered with an Open Everything collaborative commons policy (Wikipedia-contributors, Commons-based peer production 2022), including Open Source (Wikipedia-contributors, Open-source software 2022), Open Data (Wikipedia-contributors, Open data 2022), Open Access (Wikipedia-contributors, Open access 2022), Open Education (Wikipedia-contributors, Open education 2022), and distributed value-creation processes (Wikipedia-contributors, Grid computing 2022), the non-monetary economy (Wikipedia-contributors, Non-monetary economy 2022) will not only be an option but the necessary consequence enabling zero marginal cost economy (Wikipedia-contributors, Jeremy Rifkin 2022), post desire-, post-scarcity-, and truly open societies with laterally scaled solutions for any kind of computable problem.

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GridSAT believes that Open Everything with Open Source, Open Data, Open Access, Open Education, distributed value-creation processes, and free transactions on absolute non-profit-based distributed grid technology, is the catalyst for a better, more sustainable future for the benefit of all peoples.

In an effort to encourage the world community to embrace their personal and social responsibility, and industries to embrace their industrial responsibilities in matters of equal opportunity and justice, *GridSAT Stiftung* is committed to foster its technology with non-compromising Open Everything.

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