



Research Article

THE EVOLUTION

Michał Marek

Space Research Centre, Polish Academy of Sciences, Warsaw, Poland

ARTICLE INFO

Article History:

Received 12th October, 2018

Received in revised form 23rd

November, 2018

Accepted 7th December, 2018

Published online 28th January, 2019

ABSTRACT

The whole Universe goes to the complexity. The evolution of humanity (culture, science, technology,...) is unstoppable too. De Chardin said, that the humanity, as a one complex system, goes from the Alpha to Omega state. The end will be in Jesus Christ.

People are connected by mobile phones, the internet and social media. I think that, it is a prelude of the soul's connection, what we will see, after Parousia.

Key words:

Evolution

Copyright©2019 Michał Marek. This is an open access article distributed under the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

INTRODUCTION

The Two Ideas

The Humanity

Connection via internet – smartphones, social media ect. is a prelude of that, what will happen after the Parousia. We will be connected, our souls, with/by Jesus.

Without awareness, we build up step by step, the world - close to what we will see in Heaven. For example, everyone wants justice, so for thousands of years we have the laws and lawyers. Now is the internet – mind connection.

The Universe

Sandpile Paradigm was proposed by Bak, Tang and Wiesenfeld [1] to explain simple model of Self-Organized Criticality (SOC). When the piles fall on the sandpile (input driver), we will see, that at some critical point (reaching adequate angle), sand will slide down to get the saturation phase. The steady driver for Sandpile Paradigm is the gravity. Sand avalanches are the energy output.

The SOC approach has been already used for interpretation of magnetospheric processes and recently for the Earth's Auroral Kilometric Radiation (fig.1 and 2) [2]. Not only astrophysical processes are included to explain by SOC model but also human activities (e.g. traffic jam or stock market's fluctuations).

SOC systems exhibits itself as a straight line at a log - log graph (right part of the histograms). We can conclude that for earthquakes phenomenon energy input is tectonic stressing, criticality (instability threshold) is the dynamical friction and energy output is the rupture area. In astrophysics, for example, magnetospheric substorms exhibits itself as a SOC systems. Solar wind plays the energy input role, magnetic reconnection is the instability threshold (criticality) and auroral bursts are the intermittent avalanches (output).

SOC systems exhibits itself as a straight line at a log-log graph (power law slopes). Cosmic Microwave Background maps (e.g. from Planck mission) give only spatial data, so they don't represent the SOC system, where required is a temporal data. Histograms of the temperature's fluctuations CMB have powerlaw slopes in log-log coordinates (fig.3) and we can only estimate the fractal dimension.

Self-Organized Criticality approach to the Universe gives an idea that the Universe is closed and after billions of years, will collapse, so then the time will go backward. I think that will be a normal situation for the human's minds. Every person will get used to it.

**Corresponding author: Michał Marek*

Space Research Centre, Polish Academy of Sciences,
Warsaw, Poland

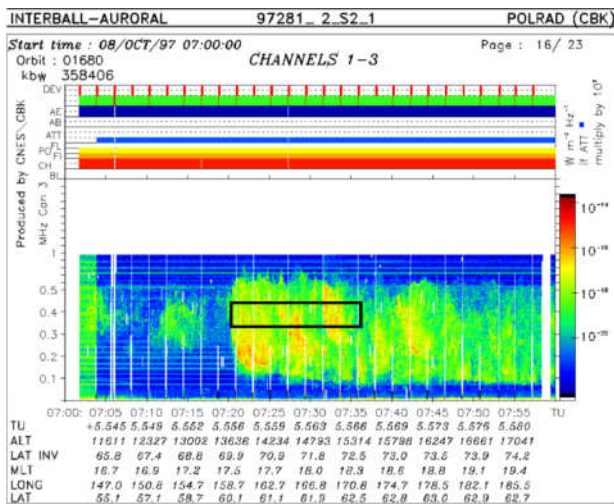


Fig 1 Example of an AKR dynamic spectrum. The data used for histogram generation are located inside the black frame (15 min × 100 kHz).

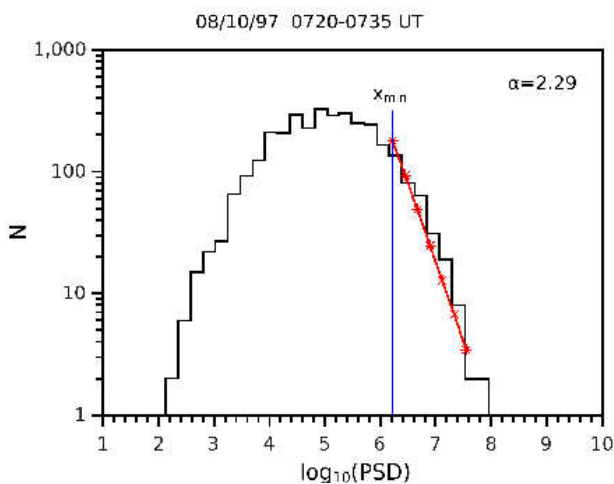


Fig 2 The corresponding histogram (in a log-log scale) of 3240 measurements of the relative PSD of a short AKR bursts with a superposed red line produced by a least-squares fit to the distribution's tail. A vertical blue xmin line delimits the right part of the histogram obeying a power-law behavior.

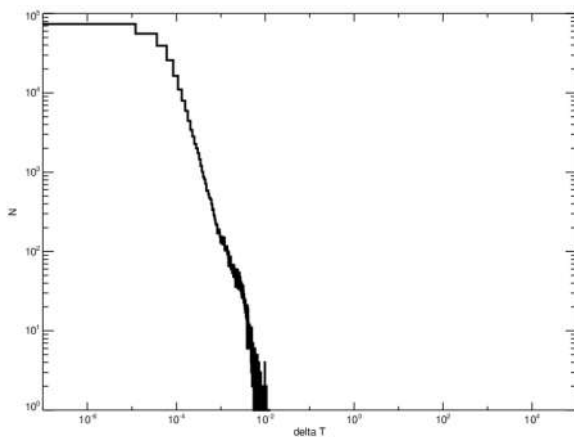


Fig 3 An approximate power law distribution for the temperature fluctuations (an example).

CONCLUSIONS

The evolution of humanity goes to Omega point, to the end of our world, to be with Jesus. Internet and social media are a part of this way. We should be grateful that we can observe it and participate.

Internet is a half way, a state close to the soul's connection.

The hypothesis (the Universe as a SOC system) requires an initial force before avalanche, even before the Big Bang. The Big Bang, in the SOC approach, is a critical point and Universe's expansion is a single avalanche. The final stage of an avalanche is the saturation. After avalanche, Universe should stop expanding. In a closed Universe, after the expansion, spacetime will collapse.

References

1. Bak, P., C. Tang, K. Wiesenfeld (1987), Self-organized criticality: an explanation of 1/f noise. Phys.Rev. Letters 59(4): 381-384, doi:10.1103/PhysRevLett. 59.381.
2. Marek, M., and R. Schreiber, Is the AKR Cyclotron Maser Instability a self-organized criticality system? in Planetary Radio Emissions VIII, edited by G. Fischer, G. Mann, M. Panchenko, and P. Zarka, Austrian Academy of Sciences Press, Vienna, 269-277, 2017.

How to cite this article:

Michał Marek (2019) 'The Evolution', *International Journal of Current Advanced Research*, 08(01), pp. 16991-16992. DOI: <http://dx.doi.org/10.24327/ijcar.2019.16992.3163>
