

The Idea of Cosmic Robotics

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Abstract— The cosmic robots (an Artificial Intelligence robot) will be a kind of robot which will be getting the free available energy, i.e. cosmic energy from the universe. This energy will help a robot to stay active and conscious. If we will able to achieve our goal then a robot can take decision like human beings do.

Index Terms— Artificial Intelligence(AI), Consciousness, Cosmic, Electron Volt (eV), Galactic Cosmic Ray (GCR), Ultra-high energy cosmic rays (UHECRs), Weakly interacting massive particle(WIMP).

1 INTRODUCTION

The Cosmic Energy exists everywhere in the Cosmos. It is a kind of Bond between everything's that you look around, which keeps the whole cosmos in order. It is the 'space' between each and everything. This Cosmic Energy is essential to maintain the order of our life and to expand our consciousness. This Energy is the base for every action that humans do. We generally receive little amount of Cosmic Energy in deep sleep.

Atomic energy, Water energy, Thermal energy, Bio energy etc do not have any intelligence within them. But cosmic energy has intelligence within it, this is a real wonder of nature. Cosmic energy contains information about the universe. If anybody in the world want to understand this information they will have to subtract noise in it. And so information minus noise in cosmic energy will give you intelligence or understanding of universe.

Information-Noise = Intelligence/Understanding

There exist ample amount of cosmic energy in the Universe. The newborn baby has almost zero cosmic energy level, but it increases as time passed by. In this paper I am proposing an idea that if we human can get cosmic energy from the universe then an artificial intelligence robot can get this energy as well.

2 What is Cosmic Energy?

Cosmic energy is a special type of energy which exists between everything in the space. Cosmic Energy is essential to maintain the order of our life and to expand our consciousness, that's why we it is also call life-force.

The classification of cosmic rays is presented below:

Table 1. Cosmic rays classification

Cosmic rays name	Range (in eV)	Source
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Solar Cosmic rays	$< 10^{10}$	Solar flares
Galactic cosmic rays	Between 10^{10} and 10^{15}	Supernova remnants
ultra-high energy cosmic rays (UHECRs)	$> 10^{15}$	Mystery

3 Source of cosmic rays

A cosmic ray is a high-speed particle, It can be a nucleus or an electron that travels throughout Galaxy, including the solar system. Some of these particles originate from the Sun, but most come from sources outside the solar system and are known as galactic cosmic rays (GCRs) which is in between the range of 10^{10} and 10^{15} eV (electron volt).

An experiment has helped to identify the sources of cosmic rays with greater certainty. In 2009, a paper presented at the International Cosmic Ray Conference (ICRC) by scientists at the Pierre Auger Observatory showed ultra-high energy cosmic rays (UHECRs) originating from a location in the sky very close to the radio galaxy Centaurus A, although the authors specifically stated that further investigation would be required to confirm Cen A as a source of cosmic rays. However, no correlation was found between the incidence of gamma-ray bursts and cosmic rays, causing the authors to set upper limits as low as 3.4×10^{-6} erg cm⁻² on the flux of 1 GeV - 1 TeV cosmic rays from gamma-ray bursts[15].

Later supernovae have been "pinned down" as a source of cosmic rays, then in one analysis, revealed that "spectral shapes of [hydrogen and helium nuclei] are different and cannot be described well by a single power law", which suggesting a more complex process of cosmic ray formation. Finally in the year 2017, a research paper using data from the International Space Station identified a possible source as dark matter being "a self-annihilating WIMP"[16].

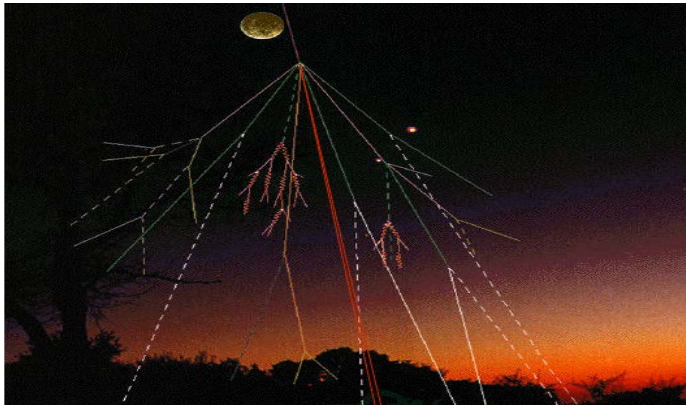


Fig. 1. Source of Cosmic energy [10]

4 Brain "The complex wired Network"

Human's brain is the most complex wired network in the world, not only human's brain but all the animal's brain are relatively complex (see Fig. 3). These days we are working on Artificial intelligence, every day new innovation can be seen in the field of Artificial intelligence. Scientists are trying to build the same human's brain like artificial brain even they succeeded in doing so. But the problem is of the energy. We human beings have the power to accumulate the free available energy i.e., the cosmic energy of the universe. If an AI robot starts getting the same energy like the human beings how easy it will be for us to build a conscious and self aware cosmic robot.

5 The concept of cosmic matrix

There also exist a concept of "cosmic matrix", which is nothing but the combination of the three phases of cosmic process – creation, preservation and dissolution: the triad of time past, present and future.

Humans use cosmic energy in their day to day activities, If someone do not want to feel exhausted and tired they need to get more and more Cosmic energy through the day and this Energy is gained during sleep which is also limited (very less percentage). But if someone want to get more and more Cosmic Energy it is only possible through deep meditation. The More you meditates, the Cosmic Energy flows in the body and the more one goes deeper in meditation the percentage of Cosmic Energy goes higher and higher. Cosmic energy exists everywhere in the Cosmos and is essential to maintain the order of human life and to expand the consciousness (see Fig. 2).

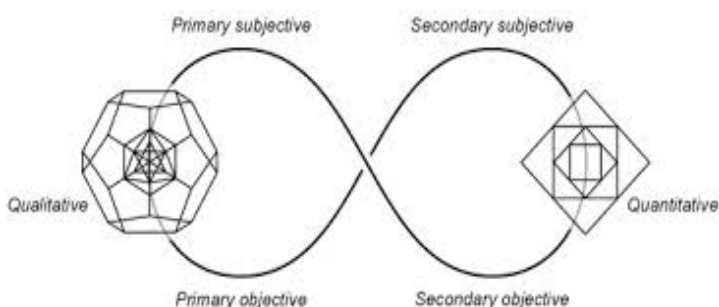


Fig. 2. Microvita Cosmology / Wave Matrix [16]

6 Proposal of Cosmic Robotics

Phototrophic way of life in living systems is by means of trapping of electromagnetic radiation energy, converting it into chemical energy to use it for cellular maintenance and growth. But in case of robot it is not possible to store the cosmic energy in the same way, because robot brain is usually made up of electrical circuits. So we will have to search a way to store the cosmic energy in an electrical device.

Nikola Tesla has already proposed that,

"The attractive features of the Cosmic rays are their constancy. They shower down on us throughout the whole 24 hours, and if a plant is developed to use their power it will not require devices for storing energy as would be necessary with devices using wind, tide or sunlight". He said that "The cosmic ray ionizes the air, setting free many charges—ions and electrons. These charges are captured in a condenser which is made to discharge through the circuit of the motor." [9]

So it's proved that we can convert the available cosmic energy in to electrical energy,

And this hypothesis is more than enough to say that we can give that energy to our AI robot to stay charged and active without any electrical currents.

If we talk about the consciousness, researcher has said that there are three levels of consciousness. Every level has its own importance. The three levels of consciousness are as follows:

6.1 1st level of consciousness:

First level of consciousness is represented by C0. This level of consciousness is responsible for the unconscious operations that take place in the human brain for example to recognize face of a people after a long time or to recognize the voice of someone while talking on phone etc. Most of the calculations done by the human brain take place at this level, the researchers said – in other words, people aren't aware of these calculations taking place.

These days advancement in the field of AI is going on. Every 2nd day there is something new innovation going on. If we talk about AI C0 level of consciousness the best example for that is Self driving car, which is already implemented based on computer vision techniques. The frequently used algorithm in computer vision is "convolution neural networks (CNN)". Which is carrying out many human C0 computations, including facial recognition.

6.2 2nd level of consciousness:

This level is represented by C1. It involves the ability to make decisions after drawing upon a thought and considering mul-

multiple possibilities. In case of AI let's take the example of self driving car itself, after recognizing car or pedestrian or blinking signal on traffic the major challenge for the machine is to make decisions. It is like when to stop the car, when to take left or right etc.

6.3 3rd level of consciousness:

The final level is represented by C2, Which involves "Meta cognition," or the ability to monitor one's own thoughts and computations – in other words, the ability to be self-aware. Level C2 consciousness results in subjective feelings of certainty or error, which help people realize mistakes and correct them. Self-awareness also helps people figure out what they know and do not know, they can monitor their progress at learning how to solve problems. In the same way if we take out the example of an AI system they are gradually learning from their own experience, the way we human do. So, we first train the proposed model to enhance the accuracy of our result or prediction.

7 Nikola Tesla's idea of storing radiant energy

Nicola Tesla was the first scientist who identified "the radiant energy". The source of radiant energy is sun. He concluded that the small particle emitted by sun carrying a small charge which moves with velocity greater than light. These particles are neutron particle which is responsible for all the radioactive reactions.

There exist a matter which is in tune with the neutron particles called radiant matter (A re transmitter of energy from one one state to another)

Method's followed by Tesla to store this energy are as follows:

- Stick an antenna up as high as possible. Doing this ionize the upper air would make it as good a conductor of electricity as a metal.
- Wire the antenna to one side of a capacitor.

- Ground the other side so that the difference in potential will charge the capacitor.
- Connect few switching devices across the capacitor (which will help the capacitor to be discharged).
- Finally get an oscillating electric output. (see Fig 3)

Fig. 3. Tesla's model of storing radiant energy [8]

Tesla's model actually works in the following manners:

"When rays or radiations are allowed to fall upon an insulated conducting body connected to one of the terminals of a condenser, while the other terminal of the same insulated conducting body is made by independent means to receive or to carry away electricity, a current flows into the condenser.

This process keep continues until the insulated body is exposed to the rays under this condition the accumulation of electrical energy in the condenser takes place. This energy will get discharge powerfully after certain interval of time. which can be utilized for the operation or control of mechanical or electrical devices or computational device (an AI robot) or can be useful in many other ways as well [8].

So if we implement the same methods proposed by Nikola Tesla, there is possibility that we can achieve our goal and meet with our expectation to store the cosmic energy in the electrical circuit as well.

8 Variation of cosmic energy in 24 hours

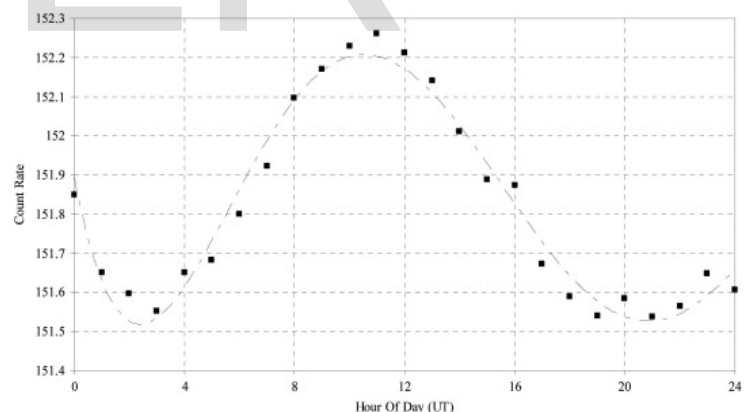
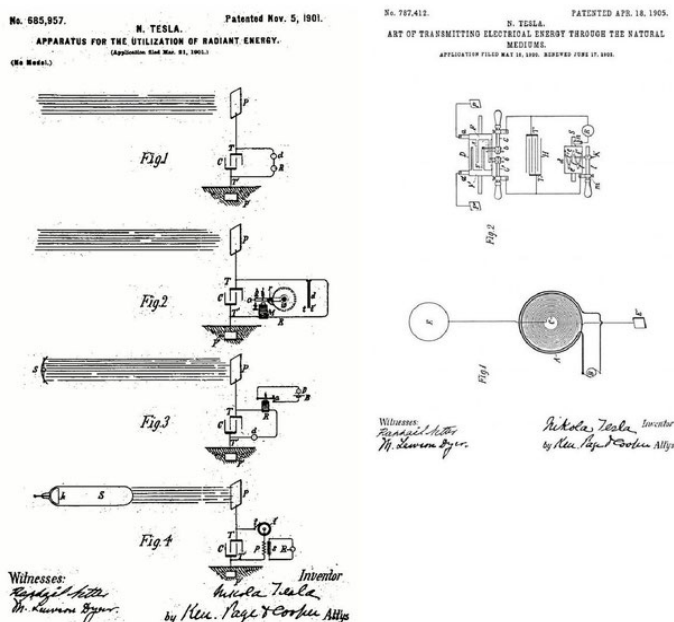


Fig.4. Count Rate vs. Hours of Day (UT) Dependence of the 27-day variation of cosmic rays on the global magnetic field of the Sun [12]

The above graph represent the study the 27-day variations of the solar wind velocity, galactic cosmic ray (GCR) intensity and anisotropy in the last minimum epoch of solar activity (2007–2009) (see Fig. 6). The polarity dependence rule for the 27-day variation of the GCR anisotropy is fully kept. The as-



sumption was that this phenomenon could be generally related with the well established 27-day variation of the solar wind velocity being in anti-correlation with the similar changes of the 27-day variation of the GCR intensity.

9 CONCLUSION

The conclusion is if a robot become capable of using that three level of consciousness (Though certain levels are already achieved but my point is all level achieved by an AI together) and the concept of cosmic matrix i.e., being capable of doing meditation technique may be any other way to get that available cosmic energy in the universe then there will be an another revolution in the history of AI and robotics. If we can achieve our goal which is "Utilizing cosmic energy (natural resources) by an AI" then: ☐

- We will able to solve the problem of energy (We can save energy and utilize it somewhere else where there is requirement)
- We can use this technique with computers and other available intelligence to make it smart.
- AI robot will able to take proper decision.
- Humans and robot can solve a problem together and make this world a better place to live.

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References

- [1] www.google.com
- [2] www.wikipedia.com
- [3] www.speakingtree.in
- [4] www.lifescience.com
- [5] International Journal of Innovative Research in Computer and Communication Engineering An ISO 3297:2007 Certified Organization)
- [6] Author, B. Bali, Pooja.: Article titke Self Management, Purgation of Brain and Strengthening of Soul with Cosmic Energy & Spirituality.
- [7] www.researchgate.net
- [8] <https://teslaresearch.jimdo.com>
- [9] <https://amp.theguardian.com>
- [10] http://abyss.uoregon.edu/~js/glossary/cosmic_rays.html
- [11] <http://www.tfcbooks.com/tesla/1932-07-10.html>
- [12] <https://www.sciencedirect.com/science/article/pii/S027317711004637>
- [13] <https://ars.els-cdn.com/content/image/1-s2.0-S0273117711007447-gr5.jpg>
- [14] 2009, a paper presented at the International Cosmic Ray Conference (ICRC) by scientists at the Pierre Auger Observatory.
- [15] <https://arstechnica.com/science/2017/05/cosmic-rays-suggest-dark-matter-is-a-self-annihilating-wimp> 16.
- [16] http://science.trigunamedia.com/mvc-wmp-2011/mvc-wmp-2011_files/image009.jpg

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