

The Electromagnetic Cosmos

Sub Title: Consequences for energy generation and the propulsion systems of the spacecraft of the future

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A B S T R A C T

In this work, the authors draw the conclusions from their previous work and develop perspectives for the future. In particular, the entire structure of the cosmos as well as the atomic structures are of electromagnetic origin. The development of energy production and space travel within our solar system as well as interplanetary space travel is consistently taken into account. The original works can be read at any time on the homepage www.dok-helmecke.de together with the corresponding bibliography.

Keywords: Electromagnetic cosmos; Space travel; Solar system

1. Preface

Today, the energy supply of mankind is a leading problem. In our work “Consequences of the wave theory of matter” we described the possibility and calculation of energy development with lysis of matter. In the course of this article, we will discuss this energy development in detail. Furthermore, we will refer to the theory of the over dimensionality of the universe as well as our theory of gravitation.

It should be undisputed that the rocket engines used to date are at most suitable for exploring our solar system. The supply of fuel limits the activities, as does the time required due to the limited “travel speeds”. Taking Einstein’s theory of relativity into account, intergalactic ventures are pointless, as the time distortions de facto rule out effective communication with the earth.

Taking into account the models we have created, other drives can create completely new perspectives, whereby conventional fuels are no longer required. In the following, the principles of these drives are explained, and it is to be hoped that a decision will be made to implement our findings accordingly.

2. The Energy of The Future

The basis for inexhaustible energy production is our new atomic model, which is once again the starting point for the new approach is the fact that matter is a kind of condensed energy. Nuclear fission and nuclear fusion prove the real conversion of matter into energy.

The modelling of matter as a wave has been established since De Broglie. Accordingly, we also model the elementary building blocks proton, neutron and electron as rotating waves over a circular path.

A standard electromagnetic wave with a classical sinusoidal function cannot be set into a stable rotation, as its spatial structure and amplitudes quickly lead to unstable states. However, if there is a plane, i.e., a squared sine wave running in a plane, the rotation can occur as there are no interactions between the amplitudes. The rotating plane squared sine wave is a rotating arc wave. We specify a direction for the amplitudes of these rotating waves, namely either towards the inside of the circle above which they are rotating or towards the outside, over which they rotate or outwards. The amplitudes point outwards for protons

and electrons and inwards for neutrons. If the amplitudes point outwards on the circular path, the particle shows an electrical charge. If the amplitudes are directed towards the inside of the circular path, no outward charge can be measured. The sign of the charge is determined by the direction of rotation (clockwise or anti-clockwise, in relation to the orbit of the arc wave). The proton-neutron coupling occurs when the amplitude of the proton wave exceeds the orbit of the neutron inwards. This corresponds to the Velcro system. As this is not a classical electromagnetic coupling, larger attractive forces become effective. This explains the nuclear forces. In order for such a system to be stable, certain precisely defined amounts of energy must be present. According to our model, the elementary building blocks of the atom have a uniform construction principle. We consider protons, neutrons and electrons to be the elementary building blocks of the atom¹⁻³.

3. The Nuclear Energy

When nuclear energy is utilized, relatively small amounts of matter are converted into energy. It does not matter whether we take nuclear fission or nuclear fusion as an example. However, it should be noted that the energy released by these methods is already enormous. However, only nuclear warheads are available as starters for nuclear fusion, which is notoriously impractical. Nuclear fission in nuclear power plants produces large quantities of radioactive waste, which makes the generalized use of this form of energy appear highly questionable.

3.1 Release of energy according to wave theory

In nuclear fusion (Wikipedia 09/23), the energy of a proton is given as 15 MeV. If you apply this to the wave theory of matter, you get the following result: all nuclear building blocks have the same energy, as they consist of the same rotating squared sine wave. This results in the following energy balance for an atomic nucleus:

$$\begin{aligned} \text{Total energy of an atom} &= (\text{number of protons} \times 15 \text{ MeV}) + \\ &(\text{number of neutrons} \times 15 \text{ MeV}) \\ &+ \text{number of electrons} \times 0.511 \text{ MeV).} \end{aligned}$$

This total energy yield is generated when the orbits of the squared sine wave are destabilized. Utilizing this knowledge will also provide the necessary energy for space travel in the future¹⁻³.

4. The Interplanetary Space Drive

The predominant force in every solar system is gravity. As shown in our work, gravity is an electromagnetic effect that is caused by the excess charge of the atoms. The electromagnetic interaction of the electron and the atomic nucleus is universal for matter.

Because of this, this interaction takes place in the Matter takes place throughout the cosmos. The coordination of the systems is always the prerequisite for interactions to occur at all. A magnetic field is not disturbed or changed by gravity and, conversely, gravity is not disturbed or changed by a magnetic field. Even if it is an electromagnetic effect in each case, the „relationship“ does not lead to an interaction. This is not surprising, because electromagnetic waves have very different properties, e.g., in relation to matter. Gamma rays can penetrate matter far while other waves are immediately absorbed.

Gravitation is induced by an excess of charge in the atomic nucleus. According to our theories, this means: a rotating squared sine wave leads, due to the amplitude position, to a positive

excess charge, which is radiated into space, taking into account the probability of the electron location. A synthetic gravity field can only be built up by taking this complex development into account, which is either attractive or repulsive due to the appropriate polarity. This can then be used to drive a spacecraft and is completely free of emissions⁴.

5. The Intergalactic Space Drive

A space travel in the three-dimensional space-time continuum is not to be aimed for, because the temporal distortions make any use and communication impossible. So, the question arises: “What cancels the space-time continuum?” The answer to this can only be: it is the realities of the black hole. In plain language, the maximum dose of gravity cancels the space-time structure. With a resolved space-time structure, points that are light years away in three-dimensional space are in a different arrangement and can then be reached in a kind of hyperspace without problems and timeless. This would also make intergalactic space travel possible. Based on our gravitation model, gravitation is an electromagnetic effect. If projectors are used to project a synthetic black hole in front of a spaceship, these tears open the 3-D structure and pulls the ship into other dimensions. Since it is an artificial black hole that is always in front of the spaceship, the ship’s matter is not destroyed during this process. Of course, such a drive must not be started in a solar system, since then interactions with existing matter would not be calculable⁵.

6. Conclusion

We hope that these explanations will finally dissuade established physics from smashing matter largely pointless with crude methods and turning to energy production from our point of view. Taking into account the wave theory for matter, we unveil an almost inexhaustible energy potential for mankind.

6.1 Energy balance

$$\text{Total energy of an atom} = (\text{proton number} \times 15 \text{ MeV}) + (\text{neutron number} \times 15 \text{ MeV}) + \text{electron number} \times 0.511 \text{ MeV}.$$

It’s assumed that the condensed energy of squared sinus waves is released when their circular trajectory is destabilized. Utilizing this understanding, part of this energy can certainly be harnessed to produce hydrogen, presenting a viable portable energy carrier. Since all atoms and thus all chemical compounds have the same energetic structure, there will be universal destabilization. It must be looked for only purposefully. Then there will be sufficient energy for mankind for all concerns.

7. References

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