

## Research Essay

# A Proposed Medium for Maxwell's Theory of Electromagnetism

William C. Treurniet\*

### Abstract

A deeper understanding of the nature of electromagnetic waves evolved from conversations with beings of the extraterrestrial Zeta race speaking through the Australian physical medium, Paul Hamden. The conversations suggested that Maxwell's theory of electromagnetism can be integrated with the idealist Zeta cosmology. According to the cosmology, thoughts are created as holographic-like interference patterns in a grid of consciousness. The patterns are transformed to sensations by a perceptual process and experienced as matter. A hypothesis is proposed that the grid takes form in the vibrating field of consciousness when frequencies of the field resonate with the quantized frequencies of created electrons. The resonating electrons amplify the energy in the field in a grid pattern and the energy propagates through the grid as electromagnetic waves.

**Keywords:** Maxwell's Theory, electromagnetism, extraterrestrial, Zeta, medium, grid, energy, resonance, Consciousness.

## 1. Introduction

Maxwell's theory of electromagnetism (e.g., Kip, 1969) is the predominant theory of electromagnetic (EM) waves. An electric charge is the source of an electric field, and electric lines of force begin and end on electric charges. Magnetic lines of force always form closed loops and can be induced by moving electric charges. Finally, a flow of electrons is generated in a conductor as it passes through magnetic lines of force. The mathematical theory accurately predicts the behaviors of electric and magnetic fields detected by an electric charge.

The theory makes predictions about the behaviour of EM fields. That the theory is practically useful even though a complete mechanism is not explicitly known suggests there is additional information to be learned about EM radiation. More information was obtained from extraterrestrial (ET) beings of the Zeta race who spoke many times through the Australian medium, Paul Hamden. The reality of the beings' separation from the entranced human was shown by various anomalous experiences with or without his presence (Treurniet and Hamden, 2022a, Appendix A). Many people have communicated with the Zetas, and transcripts of the conversations were published in Hamden and Treurniet (2020).

The Zetas described an ontology of idealism, that all existence is mental (e.g., Kastrup, 2019). The following summarizes the Zeta cosmology and explains how Maxwell's theory could be incorporated as suggested by the Zeta information. Direct quotes from the Zetas are in *italics*.

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\*Correspondence: William C. Treurniet, Independent Researcher, Canada. E-mail: wtreurniet@gmail.com

## 2. A Brief Review of the Zeta Cosmology

Consciousness is conceived by the Zetas as a unitary field of energy encoding all that exists (Treurniet, 2019). The field has an ordinal scale of vibration in that a given state is higher, the same, or lower than another. There is no metric for measuring the distance between states. All matter, including the human body, is represented by multiple dimensions of vibration. A being's perceptual process transforms the representations to experiences of matter.

The *Physical type of vibration* and *Harmony* dimensions of vibration (Treurniet, 2019, Figure 2.1) define a physical being's nature and how loving they can be, respectively. A being can create representations of thought forms using the *Physical type of vibration* dimension. When the being is properly motivated and certain other conditions are met, the thought vibrations modulate the energy of a reference vibration (Treurniet and Hamden, 2022a, *Creation and perception*). The modulated vibration combined with the reference vibration is analogous to a hologram. The holographic-like pattern is recorded in a grid in consciousness and is known to the Zetas as *quanta* (Treurniet and Hamden, 2022b, *The holographic principle*).

### 2.1 The grid

The following is a Zeta's discussion of the grid which is proposed later as part of the process for EM radiation. The Zeta said, "*For the grid to be in its true state, there is no form for the grid.*" The grid has no form until it is instantiated by a creation process. The creation is represented digitally in a quantized field of consciousness that is experienced as described by the Zetas.

*The resonant energy of the grid or the matrix is not just part of this planet, the grid is like a fluctuating wave vibrating through the universe, and it holds all space and time, although time is a misnomer in regard to how you perceive the distances travelled between birth and death.*

*We believe you are asking about the grid of the earth, the one which permeates this planetary structure. You are part of the grid, you all are, as the grid changes so do you. The changes are subtle in some instances. When you are in tune with the grid, you feel grounded. It is an electronic wave form. Your etheric body links into that process and you then become part of the resonating frequency.*

*The grid is used by many races and planetary beings, somewhat like a communication process. Not only does it aid in the telepathic communication between your beings of this planet, we use it as well. It will aid in the evolution of the planet. All conscious thought is placed into the grid. The grid has many functions and aspects, no one owns the grid. The grid is not controlled by anyone. It is a manifestation of universal energies. Everything has an individual resonating grid.*

*Every specific energy has its own grid, all is one. It's like separating one drop of water from the ocean. The grid provides healing, it can provide cellular disruption. If it becomes unstable, it can cause deficiencies in the earth, the people of the planet.*

*In certain places in the grid, you will notice wars on the planet surface. In those specific places, the grid may be out of resonance.*

*If a mass population is living in fear, this energy causes a energetic cancer in the grid. Imagine if you could, a stone dropped into a pond. The pond without the stone is like*

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*glass, the surface tension is resonating at a fine frequency. Once something is placed into the pond, it feeds and disturbs the surface tension.*

*The grid emanates from each planet but is also joined as one.*

*The grid is defined by the individual entities that it is, so if you had a cup my friend, the cup would have a grid that was associated with it.*

*Every physical individual item has its own grid and links into the main grid - everything is all.*

*Your thought patterns create the resonance around you. A positive thought resonates and thus changes your etheric body. As it is attached to the grid, it can change the grid.*

Entities of matter in our physical universe are represented by quanta created in the grid. The quanta exist in the etheric realm, a particular range of vibration in consciousness. They are transformed to sensations such as vision, hearing, and touch by a being's perceptual process. A consensus reality is experienced by all beings who share the vibrations of the creator.

### **3. A theory of light in consciousness**

The dominant theory of light developed by human scientists is Maxwell's theory of electromagnetism (e.g., Kip, 1969). It treats light as a field that propagates energy without a known mechanism. According to Hotson (2002b, 2009), Maxwell regarded the field as a mathematical fiction, although he believed there was an unknown physical mechanism to perform the required functions. Such a mechanism was suggested by the information received from the Zetas and is expressed below as a hypothesis.

#### **3.1 Creation and propagation of EM radiation**

An electromagnetic (EM) wave can be transmitted with a simple dipole antenna used for radio communications. The wave is generated by an applied voltage that varies in polarity over time along the antenna in a sinusoidal pattern. The changing voltage generates an EM field that propagates through space. The EM wave may be intercepted at a distance by another antenna where a corresponding time-varying voltage is generated.

The electrons in the transmitting antenna are objects of matter represented in consciousness and so they are quanta in the grid. A Zeta said, "*If you were to break down all of matter, it would be seen to be consciousness.*" Changes to the quanta would correlate with changes to the voltage in the antenna. The changing polarity would cause the electromagnetic field to travel through space.

The experiences of physical beings like humans or Zetas are filtered through the quanta placed in the grid during the creation process. The possible role of the grid in propagating light was examined by questioning a Zeta. The interviewer asked, "How does light propagate from a light source to the eyes? Is the light energy carried by vibrations of the grid?" The Zeta replied, "*All things are in constant movement.*" They did not deny that light propagated via the grid, but neither did they clearly agree. The ambiguous response suggests they were not satisfied with the premise of the question - that the grid alone propagates the visible spectrum.

The following hypothesis proposes that both quantized consciousness (i.e., the grid) and non-quantized consciousness (i.e., the energy field) are involved in EM wave generation and

propagation. The Zeta indicated there was no grid before the creation of quanta. Further, “*It is an electronic wave form,*” suggests that creation of electrons initiates formation of the grid. Electrons, of course, are components of all matter.

**Hypothesis:** An effect of creating electrons is the formation of a grid in the energy of consciousness. When an electron is created, it is embedded in the initially non-quantized vibrational energy of consciousness. The electron has a certain vibration which resonates with the corresponding vibration of the consciousness field. The resonance amplifies the vibration of the consciousness field and, by so doing, forms part of the grid structure. An EM wave is propagated when the quantized energies of electrons are continuously added to the resonating vibrations of the grid.

The hypothesis proposes that a vibrating source like an electron resonates with a particular vibrating energy in the field of consciousness. The resonance raises the energy of the corresponding consciousness field frequency so that it becomes part of a grid. The energies coming from many quantized electrons propagate through the grid until they are absorbed by other quanta in their path. The energies from one object are transferred to another via the grid.

A Zeta said, “*Every physical individual item has its own grid and links into the main grid - everything is all.*” The comment suggests that the relative phases of individual grids are predefined as if the main grid were completely instantiated. Separate grids are created while maintaining the unity of the whole.

The hypothesis assumes that space is filled with the non-quantized energy of consciousness. The Zetas would say that the universe was created with formal properties. These might be the vibration and bandwidth of the etheric realm, the charge and angular momentum of an electron, the law of inertia, the permeability and permittivity of space, and additional parameters. Space was given such formal field properties by whoever was the creator. The properties provide the context for informal fields involved in the creation of individual objects. A more extensive discussion of formal fields may be found in the chapter, *Informal and formal fields* in Treurniet and Hamden (2022a).

#### 4. Discussion

Maxwell’s theory is a field theory in that light energy appears to propagate without being transmitted through a form of matter. The Zetas believe that a grid in consciousness accompanies the created holographic-like patterns or quanta in a physical realm such as ours. The hypothesis in the preceding section proposed that the grid is a side-effect of creating electrons. It forms when the vibrations of the quantized electrons resonate with the non-quantized field of consciousness. An EM wave would be initiated in the grid by the resonating electrons. The inserted energy resonates with a vibration of consciousness and propagates through the grid.

Hotson (2002a) observed that particles are formed in the zero-point field, and that “the experimental evidence had indeed begun to look as if ‘creation’ and ‘annihilation’ were actually happening.” Heisenberg proposed a ‘creation operator’ to account for the phenomenon. The operator creates so-called virtual particles shorter in duration than the length set by Heisenberg’s uncertainty principle. Particles come into being for a very brief instant using energy “borrowed” from this relation. Hotson objected that this would occur without measurable energy input. Heisenberg’s *ad hoc* solution would be unnecessary if the Zetas’ creation process were real.

According to the Zeta cosmology, the grid is a potential until it is instantiated by the creation process. The hypothesis concerning EM wave creation and propagation suggests how the grid becomes more than a potential. Energy at a certain vibration is released by a created electron, and the corresponding non-quantized vibration of consciousness would increase in intensity when it resonates with the electron. Resonations with multiple electrons quantized at different vibrations would form the grid. The hypothesis further proposes that the energies of existing electrons propagate an EM wave through the grid while they resonate with the vibrations of the energy field of consciousness.

An EM wave formed in this way would be engineered by humans as usual, but new technologies are possible given the insights offered by the idealist ontology. For example, Zeta technology includes communication portals which match different levels of vibration in consciousness. According to the Zeta, “*There are multidimensional fabrics of energies presented as frequency. Those frequencies make up your physical environment, your perception of your environment.*” The ‘*multidimensional fabrics of energies*’ refer to the non-quantized energies of consciousness. On one occasion, a Zeta manipulated those energies to create a portal from one *Physical type of vibration* to another. The manipulation caused part of the room to bend and form a vortex. The energy of consciousness, now understood to propagate light, had been distorted by the Zeta.

*The grid is like a fluctuating wave vibrating through the universe,  
a manifestation of universal energies.  
It is an electronic wave form,  
a communication process.*

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