

PHYSICS THEORY

INTRODUCTION

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This theory is almost completely different from current theoretical physics. For example the theory includes a new definition of electric charge. This definition has an effect that reaches into all areas of physics theory. It helps toward achieving unity at the fundamental level. The theory offers new definitions for many fundamental properties. These definitions lead to new interpretations inconsistent with popular theoretical ideas. Rather than coin new words and names causing unnecessary difficulty in communication, I borrow common physics terminology.

My approach to introducing the theory is to move, step by step, away from accepted fundamental theoretical interpretations. I feel it is best to carry along familiar concepts as long as is practical. I think this method reduces the uncomfortable feeling that often accompanies first impressions of radical changes. In addition, this gives me the opportunity to demonstrate it is possible to combine ideas from standard accepted concepts with new ideas that bring sweeping changes.

Even in radical change, there is compatibility between opposing theoretical models that adhere closely to empirical evidence. The impermanence of theoretical interpretations is made clear when useful equations can be formed from combinations of competing interpretations. I then progressively move away from the inclusion of previous theory. As a result of following this practice, my claim of having achieved unity beginning at the fundamental level is not fully supported until the derivation of the new theory is complete.

I refer to theoretical physics as being mechanical. I use this term in a broad sense not limiting it to macroscopic examples of machinery type operations. The mechanical concept I use is one of inanimate, unthinking actions supposedly resulting from one or more of the theoretical fundamental forces of nature. It is the material universe as defined by theoretical physics. It is dead and yet is full of useful action. It does not include properties of awareness and intelligent purpose. It is a universe described as being the opposite of intelligent life. It is what causes us to feel isolated, alone and insignificant.

It is awkward to write at length and repeat the word electromagnetism over and over. It lends itself to dull reading. Poets write about light, but not about electromagnetism. This special status is often taken advantage of in discussions about electromagnetism. The word light remains attractive even when repeated. It substitutes very nicely as a pronoun for electromagnetism. This is the way I use it. Therefore, light is visible light only when it is referred to as visible light.

For introductory reading about why physics theory should be challenged, I have included several essays. In some of these essays I challenge the basic weaknesses of theoretical physics. In others I reach for a different interpretation of the operation of the universe. They form a series leading toward a conclusion. Each has a purpose. There is some redundancy in the contents of the essays. I accept this as a necessity, because I want each essay to be sufficient to stand alone as much as possible. However, they remain quite interdependent.

Some of what I include in the essays is taken from the body of the new theory. I wish to provide some relatively easy reading that will help introduce a few important new ideas from the main theory. These ideas are indicated and not developed in the essays. They are used to illuminate weaknesses of theoretical physics. In the essays, I sometimes speak uncritically of ideas from current theoretical physics. My discussions of these ideas do not represent my acceptance of them. My approach to physics theory is made clear in my own theoretical work. The differences are profound. However, my intent is generally the same as the reader. We are each in pursuit of scientific learning.

Scientific learning in its pure form consists of the observation of the operation of life, intelligence and the rest of the universe. However, in practice it moves beyond the natural protection of pure knowledge about nature and includes the impermanent ideas of philosophical interpretation. In theoretical physics the nature of the universe is presented as being mechanical. It knows nothing about life and intelligence. A mechanical interpretation is unjustified speculation. It doesn't fit with reality. Reality is about you and I and our significance in the universe.

Mechanical theory offers us no understanding by which the fundamental properties of particles of matter coalesce into forms of great complexity with feelings of love and thoughts of fancy. Mechanical theory is devoid of life and intelligence. It is devoid of understanding about the properties that must be there, of particulate matter that include the fundamental properties of life and intelligence. Mechanical analysis is the lowest level of scientific learning. It is limited to observing patterns in the motion of matter. The real universe rises far above this kind of activity. What is the source of our intelligence? What are the real fundamental properties of this universe that gave birth to us?

“Scientific learning is composed of two opposites which nonetheless meet each other. The first is the natural ignorance that is man's lot at birth. The second is represented by those great minds that have investigated all knowledge accumulated by man only to discover at the end that in fact they know nothing. Thus they return to the same fundamental ignorance they had thought to leave. Yet this ignorance they have now

discovered is an intellectual achievement. It is those who have departed from their original condition of ignorance but have been incapable of completing the full cycle of learning who offer us a smattering of scientific knowledge and pass sweeping judgments. These are the mischief makers, the false prophets.” ___Pascal

Unity is the foundation of the design of the universe. To this end I pursue unity as something having a constant nature. I do not follow the practice of achieving unity in stages. It is not gained or lost by changing levels of energy or any other property of the universe. Unity must be clearly seen even in the theoretical isolation of each of these properties. Real unity includes both the universe and us in one nature. It joins together physics, life and intelligence. Either this is true or the cause of life and intelligence must be introduced arbitrarily after the origin of the universe. The lack of unity of these three wonders is positive evidence that our current theories of physics are missing the true understanding that is possible. It is essential for a unified mechanical theory to provide at least a basis for making the theoretical transition from mechanics to life and intelligence.

The existence of unity in the universe should be sought in the properties of subatomic particles. Since everything material is built up from combinations of these particles, it is scientific to consider that the properties of all complex material bodies are the result of the complex combinations of the properties of subatomic particles. Life and intelligence appear to be attached to complex combinations of subatomic particles. They should, therefore, be traceable to subatomic properties. It is no stranger for everything to originate there than it is for intelligence to appear piecemeal as needed.

Our scientific analysis of the universe appears to be confined by a wall of impenetrable ignorance. We are not intelligent enough to comprehend the nature of primary causes. We have not been intelligent enough to comprehend the relationship between life and matter. We have been trying to define an intelligent universe through the use of dumb particles. Such unknowing particles can only teach us about a mechanical universe. I submit that the wall of ignorance is of our own making.

We need to learn the means for demonstrating that the, as yet unknown, true single primary cause of motion is also the cause of life and intelligence. A division in theory of any parts of the universe is human in origin. While keeping this first law of universal understanding in mind, the theory I present here is only another mechanical interpretation of the universe. That is the nature of theoretical physics. I do, however, hold firm that a sure and logical connection must be maintained through all mechanical theory.

In any explanation of the fundamentals of physics, unity must be obvious or a unified theory is not possible. This unity will be recognizable partly because there will be only

one primary cause of action. As more theory is developed it should demonstrate the continuity of unity as established by the fundamentals. A complete physics theory should at least indicate how it might begin to be transformed into a far fuller explanation as to the operation of the universe. I attempt to begin this process. This website offers a new adventure in analyzing the operation of the universe.