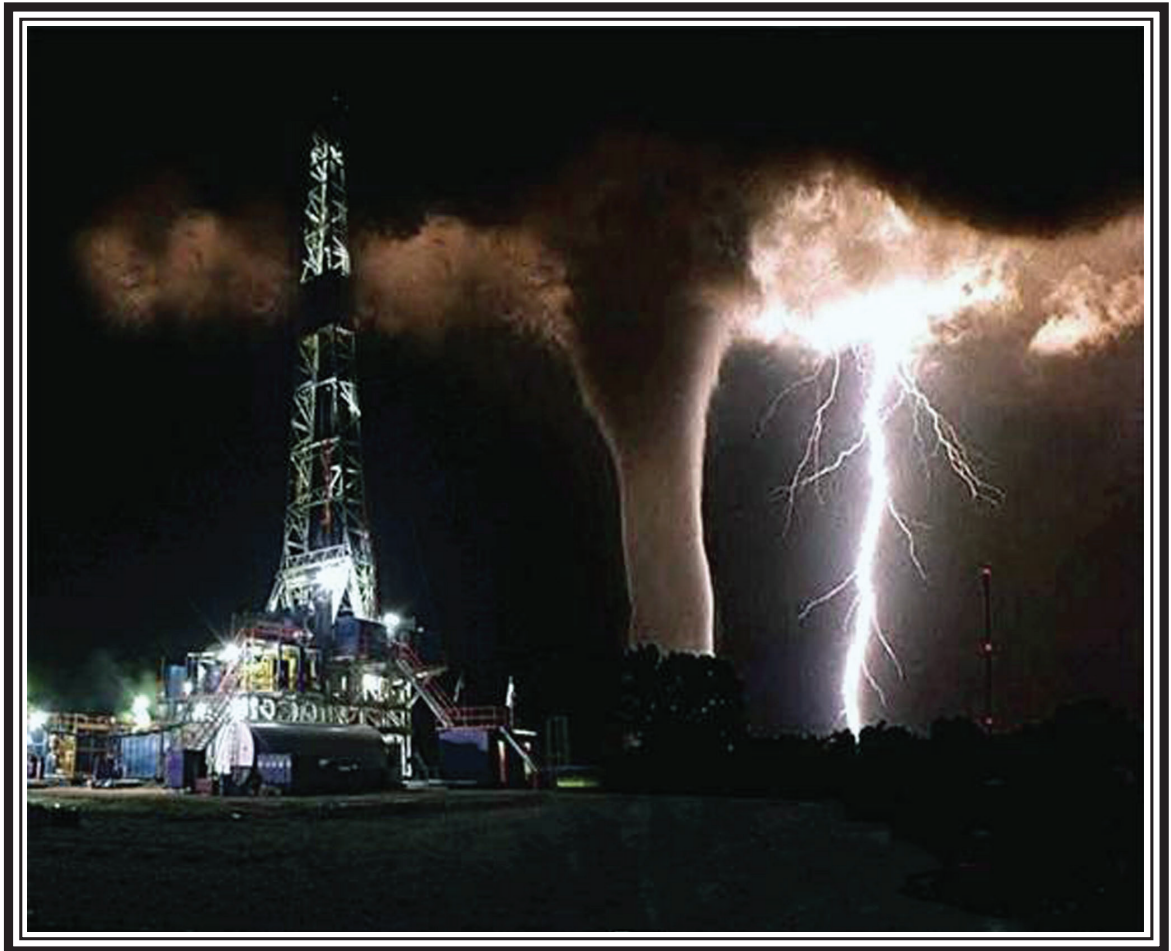


Gravity Driven Universe

by Roy Masters



**How Gravity Materializes as Mass
from the Driving Force of Original Spin**

"It would be possible to describe everything scientifically, but it would make no sense; it would be without meaning, as if you described a Beethoven symphony as a variation of wave pressure."

—Albert Einstein

**Excerpts from the 1938 book, “The Evolution of Physics,”
by Albert Einstein and Leopold Infeld.**

The (future) theory attacks the problem of gravitation and formulates new structure laws of the gravitational field. It forces us to analyze the role played by geometry in the description of the physical world.

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The theory of relativity stresses the importance of the field concept in physics. But we have not yet succeeded in formulating a pure field physics. For the present we must still assume the existence of both: the field and matter.

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We cannot build physics on the basis of the matter-concept alone.

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Could we not reject the concept of matter and build a pure field physics? But the division into matter and field is, after the recognition of the equivalence of mass and energy, something artificial and not clearly defined. What impresses our senses as matter is really a great concentration of energy into a comparatively small space.

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Can we think of matter and field as two distinct and different realities? Given a small particle of matter we could picture in a naïve way that there is a definite surface of the particle where it ceases to exist and its gravitational field appears.

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There would be no place, in our new physics, for both field and matter, field being the only reality. This view is suggested by the great achievements of field physics, by our success in expressing the laws of electricity, magnetism, gravitation in the form of structure laws, and finally by the equivalence of mass and energy. Our ultimate problem would be to modify our field laws in such a way they would not break down for regions in which the energy is enormously concentrated.

But we have not so far succeeded in fulfilling this program convincingly and consistently. The decision, as to whether it is possible to carry it out, belongs to the future. At present we must still assume in all our actual theoretical constructions two realities: field and matter.

Postulates

1. Flowing from its singularity, universal gravity is the flowing ether field from which the universe is made and sustained.
2. Universal gravity spins into primal matter (which arises simultaneously with local gravity space-time curvature).
3. Universal gravity is both the driving force of light and the regulator of light's speed, and universal gravity itself flows much faster than the speed of light.
4. The universal gravitational field is the background of all mass and of all other fields (electromagnetic, weak and strong nuclear forces).
5. Since the universe as a whole is not a closed system, conservation of energy and the Second Law of Thermodynamics do not apply to the universe as a whole.
6. The universal gravity field holds the universe's dark energy.
7. The universe's dark matter is spinning universal gravity.

Abstract

Flowing universal gravitation initially produced space without time or mass. Space-time and mass are properties of flowing universal gravitation. From its fabric, primal mass spins spontaneously giving rise to local gravitational space-time curvatures. Universal gravity is the unifying background field. Gravity began flowing from its singularity with a big whoosh. It curves with angular rotational precession, creating a spatial geometry similar to the windings of a ball of string. Three-dimensional universal gravity swirls locally into massive densities. Concurrently with these densities, local gravity curvatures of space-time arise. The expanse between celestial objects is not completely empty void space as generally believed; it is the universal gravity field, a field necessary for originating the first quantum particles. Universal gravity contains the universe's dark energy. Spinning universal gravity gives rise to the fundamental electromagnetic force and constitutes the universe's dark matter. Electromagnetic masses attract, then gravity compresses hot, dense and small—then bang, the first hydrogen star of which there are many. There may have been many big bangs, but no Big Bang that ultimately created the universe.

Gravity is a push force rather than a pull force.

Universal gravity's first spin behaves, in part, like the Higgs Boson. Universal gravity is a possible unifying field for physics. Local gravity as time makes fractal mass and hydrogen stars.

Twentieth-century physicists, including Einstein, prematurely dismissed the notion of ether. The speed of light results from the push of the gravity winds. The speed of the gravity winds is enormous, likely hundreds of thousands of times the speed of light, which is the second fastest speed in the universe. Einstein's mirror problem explained.

The flowing field drives the earth's rotation as a vacuum energy machine.

An aspect of gravity is an electric current at the speed of light.

The Casimir effect can be explained by electromagnetic aspects of the universal gravity field.

My theory suggests three practical methods of extracting electrical energy from gravity. The first uses the Casimir Principle. The second taps into the massless displacement current from a rotating frame. The third harvests electrical energy from collapsing fields.

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Preface

This paper is a work in progress about an exploration that is very much in progress. Portions of this paper are drawn from writings produced at different times about different aspects of my thinking as it was emerging. You will find repetition and restatement of similar points throughout the paper in the context of specific discussions. I have not attempted to eliminate this entirely—in the hope that it might be helpful for readers to see stepping stones in my thinking as it has emerged over time and as it was primarily directed first to one, then to another aspect of the matter. It is somewhat of a laboratory notebook. In addition to this paper, I would call attention to my earlier papers for those interested in considering my views as they are developing in more detail. Vigorous questioning and argument are strongly encouraged—along with careful consideration of the possibilities that arise from this new view of gravity.

Comments and criticism would be most welcome. If you would be kind enough to send copies to me rather than, or in addition to, publishing your thoughts, I would appreciate it as I do not subscribe to the full range of journals in the field of physics and cosmology.

Roy Masters
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Introduction

To reconcile his conflict between science and his private but deeply held faith, a noble Einstein battled to destroy certain consequences of his own work: he need not have suffered so. Quantum physics and the general theory are compatible and God does not play dice. Had he not disregarded the ether, and characterized gravitation as a PULL force, in order to explain the speed of light, he would have found his unified field in gravitational space. Professor Einstein, let your intuitive heart not be troubled.

The purpose of this thesis is to prove beyond any doubt that space-time and matter are properties of, and less fundamental than, universal gravitation. Space, time and mass all derive from a universal gravitation field. *Everything* in our physical universe comes ultimately from universal gravitation that spins particles that evolve through the very same gravitational space and time. Universal gravity, as first cause, flows as an ethereal background force, concentrating its density by spinning into first things. After considering what you are about to read, this author urges you to provide a better explanation if you can.

When I speak of the universe, I ordinarily refer to those portions of reality that can be investigated and understood through the present and future science of physics. I do not deny the existence of a larger and more inclusive UNIVERSE that includes God-only-knows-what besides whatever we will ever be able to grasp through physics. Even as our knowledge of the universe increases and improves, this larger UNIVERSE will always elude complete capture and will ever remain beyond the jurisdiction and reach of physical science. Often we characterize possible contents of the UNIVERSE beyond what is in the universe as “metaphysical” or as existing “in another dimension.” There are, and ever will be, more things in heaven and earth than are dreamed of in our science, just as there is more to a Beethoven symphony than air-wave compressions.

Many experiences have fueled my curiosity about gravity. One day I was sitting by my pool watching the water flowing in from the filter pump. Swirls of water acted as solid objects in the stream and cast shadows on the bottom. The inflowing current itself did not have a noticeable shadow, and yet its swirling eddies did, some spinning so tightly that their shadows became much darker and lasted longer than others before they faded into the current. The swirl was the nature of the linear current also making bow waves. In this case, the swirling current was acting like mass, creating waves of its own the way I believe a photon does in its way, and as mass does with gravitational waves.

Have you ever looked for what was right under your nose and not seen it? One evening I yelled for my wife because I could not find the cream cheese, and she kept repeating, “It’s on the top shelf next to the butter.” Staring madly at that spot, I could

have sworn an oath it wasn't there. Finally, she showed up in a huff, and there it was, just where she said, right under my nose, with the words "cream cheese" screaming at me. A similar thing happened with the salt. My wife had accidentally refilled the two-hole salt shaker, instead of the usual three-hole one, so we both went crazy looking for it.

So perhaps the reason we have not yet found gravity's full nature is that Einstein, in explaining the behavior of light, mistakenly characterized gravity as PULL and, also mistakenly, entangled gravity with the ether field as then contemplated, and then dismissed both! Ever since, gravity has gone missing. Einstein, though, continued to believe there was some kind of "underlying reality."

After you have read this thesis, you will see that physicists have largely forgotten some of what Einstein said about gravity—that it is a deep property of the universe rather than of individual bodies. This would make the universal gravity field the strongest and most fundamental force, and mother of the other three.

The value in convincing the scientific community that gravity is the most powerful force, and even mother of the other three, is enormous.

Assuming I am correct and we are in accord, it would become a game changer. Off-the-shelf technology would energize our economy, power our vehicles, run our factories, light our homes—and give the U.S. military the ultimate advantage. Nikolai Tesla said that the day would come when man would harvest energy from any point in space, and with this theory, that time is at hand. Engines will convert gravity, from any point in space, into electrical propulsion and may be able to use principles of gravity to construct faster-than-light-speed vessels. With such free, clean, nonpolluting energy, we would never again fight a war over oil, nor have to agonize over whether global warming might arise from burning fossil fuels.

The danger now is a refusal to consider the views of outside-the-box thinkers. Stuck in a gravity-as-the-property-of-mass theoretical trap, everyone is hoping to be the first to discover what they never will, unless that theory is abandoned. Meanwhile, I fear foreign adversaries will discover the force behind particle spin before America does. Considered and labeled as a "property of matter" and as a PULL force, the full nature of gravity has eluded scholars for almost 100 years.

This thesis has one main goal: to encourage the brightest minds to think outside the box, to grasp deep down what they may have already sensed. If the intuitive physicist would simply lay down this writing and play with the concept that mass and space-time are properties of gravity, there would be explanations that resolve many enigmas of science. It would enable us to unify the General Theory with Quantum Mechanics and a more correct understanding of local gravity will allow us to replace or deepen other theories in physics.