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of  
Field Effect  
The Pi Phase of Physics

By Leigh Richmond Donahue

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Manuscript  
of the  
Full Equation

FIELD EFFECT, the PI Phase of Physics

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# **The Centric Foundation, Inc.**

**Centric Analysis: The Mathematics of Trigonometry  
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**P.O. Box 908  
Maggie Valley, NC 28751  
(704)627-9822**

**Leigh Richmond, Pres.  
R.V. Donahue, Exec. V.P.  
Scott Richmond, Sec/Treas.  
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**After FIELD EFFECT, the PI Phase of Physics was published, the other half of the equation became apparent. The following is the full equation in manuscript form. Please insert into your copy of the book.**

**Thank you,  
The Publisher**

**Precis of FIELD EFFECT, The PI Phase of Physics**  
by Leigh Richmond Donahue  
(FIELD EFFECT is published by Dimensional Sciences, Inc.  
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It is not  $E=MC^2$ . It is  $M=EC^2$ .

It is electromagnetic energy, moving at the square of the velocity of light in a tight, dense ring at the core of the electron that is equivalent to matter; that is, in fact, the matter that makes up the galaxy.

Our galaxy, ourselves, and the electrons of which we are built, function on a logical pattern and operative system.

That pattern and that operative system make common sense and can be understood.

Once you find that pattern, the rest falls into place.

There are not anomalies.

Th pattern is built of two factors: the structure of the electron, and the galactic system for the storage and usage of information, as we shall see.

The electron is structured of a core, which is matter, and the field which surrounds it.

It is the field that surrounds the core that makes possible the cohesiveness of our galaxy and our selves in a dynamically stable form, and that makes possible as well the storage and exchange of information necessary to evolution.

We will start our analysis with the system by which the electron came into being; then its structure.

That will be followed by an analysis of the pattern of information storage and usage, which made possible evolution.

### **COMPONENTS OF THE ELECTRON**

The electron is built from four components:

1. The ether: A sea of energy without motion which exists throughout the universe.
2. Energy in motion: What we call an electrical flow. A twisting thread of energy moving through the sea of ether.
3. Magnetic force: Ether forced into motion by the electrical flow. This takes two forms:

(a) As the electrical thread pushes aside the ether, it pulls some of the ether into motion around itself in a spiral coil of magnetic force, along its length, much like a coil of wire. This coil is at right angles to and moves in the opposite direction to its electrical center. As the energy of the electrical flow increases, the coil tightens. When the energy relaxes, the coil loosens. This is known as frequency variation, and can be seen in a comparison between radar and radio wave.

(b) Meantime the magnetic coil causes ripples in the sea of ether around the now electro-magnetic flow. These ripples spread out around the electromagnetic path, decaying towards infinity, like ripples from a stone dropped into a pond. This is the magnetic field.

4. Vacuum. Where electromagnetic flows have cleared areas in the sea of ether.

None of these four factors is particulate. In other words, they are not made up of particles... not the sea of energy without motion (the magnetic shield and its magnetic field) nor the vacuum created in the ether by the various flows.

Granted these four components, the structure of our alternating current universe becomes understandable.

## THE PATTERN

To build a galaxy, you need a stable particle as its base.

The pattern of that particle must be obvious in everything from the structure of the elements to the galaxy, including the various solar systems, the rocks and humans

Such a particle must be of a configuration that cannot easily be destroyed. It must have a gyroscopic configuration and precess when confronted with obstacles, rather than battering or being battered. It must create itself continuously from the forces at hand.

It must be in motion, thus qualifying as energetic. It must have a push and pull of its own (polarity). It must respond to both a push (a kick in the pants) and the pull of a vacuum or of surrounding energies. It must have a near-infinite lifetime.

Such is the electron.

There are an infinitude of minute particles, with half-lives in

millionths and billionths of a second -- quarks, charms, bits and pieces. They do not meet the criteria. They are strays.

It is the electron that is stable, and it is the pattern of the electron that can be found through the periodic table of the elements; through the molecules; up through the rocks, the animals and you. It is the pattern of the galaxy.

The electron is constantly being created in its infinite numbers, using the four factors that are at hand. They are created by the frictions at the center of the galaxy, and thrown off into the long arms of the flat spiral whirl that makes up our Milky Way.

### THE ELECTRON

Take the twisting thread of electrical energy moving through the ether, moving the ether aside, which creates the magnetic coil that surrounds its length. It builds, as well, a bow-wave of ether, which condenses into a wall. Meeting that wall, the thread of energy turns in a circle to meet and pass its own tail. It is still surrounded by its coil of magnetic shielding at right angles to itself and moving in the opposite direction, which keeps the electric threads from combining.

These threads of now electromagnetic energy form a ring, their centers flowing in one direction, their magnetic shields flowing in the other. The coils of the outer magnetic "wire" mesh, pulling the electromagnetic flow into a tighter and tighter ring.

This is the snake of Chinese antiquity that swallows its own tail.

As it tightens, the ring becomes dense and denser, until it creates so strong a vacuum at its center that an amount of ether equal to the amount of energy in the ring, is pulled in at one side, through the center, and out the other side.

With this opposed flow going through its center, the ring cannot either become smaller or collapse. This small, tight, extremely dense ring of electromagnetic force, moving at the square of the velocity of light, is the core of the forming electron.

Now we look at the opposed flow, pulled through the center of the core from the surrounding ether. As this opposed flow of ether goes into motion, its threads each form a spiral coil of magnetic shield.

This opposed flow, this dialectromagnetic (opposed electromagnetic) flow spirals through the center of the core, jets

out spherically to a tremendous distance (in respect to the core) and is walled back as it meets the wall of surrounding ether, to the vacuum at the nose of the core-ring, and through again in a raging, pico-sized torrent. It flows at several orders of magnitude less than the velocity of the core, and is voluminous rather than dense. Still, its motion creates a black hole at the nose of the core, and a jet at its tail.

Thus is created an immense (comparatively) sphere of threads of magnetic-wire-shielded dielectrical energy around the core.

This immense sphere of opposed energy is the field of the now formed particle. It is the diaelectromagnetic half of the electron.

You have here a plethora of opposed energies in a variety of motions, interlocked into a dynamic whole that is nearly indestructible. It is of a gyroscopic configuration and will precess when confronted with obstacles. It is continuously created from the factors at hand by the friction of forces at the center of the galaxy. It will respond to a push on the core, or a pull on the field. It has polarity -- the black hole at its nose, the jet at its tail. And it makes its way through the ether at the speed of light.

This is the electron. The basic stable particle.

## THE PROTON

The proton is born when one electron swallows another.

Mostly when electrons meet, they precess away from each other. They bang fields and jet in another direction; or they bang tails and get gone at very rapid velocities.

When the jet stream of one electron that has the same handedness -- for instance, a left-hand spiral to its field, a right-hand swirl to its core -- meets the black hole of another electron with the same left-handed field, right-hand core, again they throw each other the hell out of the way.

Not so when the jet stream of one electron meets the black hole of another electron of the opposite handedness.

Take the case of electrons A and B. A has a left-handed spiral to its field, a right-hand swirl to its core. B has a right-hand field spiral, a left-hand core swirl.

If the jet stream of B meets the black hole of A, B's jet and its spiralling field will "screw" into A's black hole like a bolt screwing into a nut.

That's fine, except for one thing. B's jet stream and field can screw right on through A's core; but B's core gets stuck in A's throat. It can't go through A's core. The two are swirling in opposite directions. So the two cores just sit there, caught.

Now you have a fairly complex configuration. B's field spirals on through first B's core, then A's core and outside A's field, around and back in at the nose.

A's field, spiraling in its counter-rotation to B's field goes around B's core and between the two cores, cushioning them apart. It continues its spiral through its own core, out and around within B's field, thus creating a shell within a shell as it spirals back into the nose of its original core.

The energies are violent, their structures, motions and velocities opposed. The two electrons are hopelessly interlocked.

This is the proton.

What magnificent and complex furies at sub-microscopic levels and in micro time are to be found in the elements that go to make up our beings.

### THE NEUTRON

What happens when electron meets electron nose-to-nose? In other words, black hole to black hole.

If their handedness is the same -- if both have either left-hand or right-hand spiraling fields, they swirl away from each other. The winds that create the suction of their fields tip them apart and throw them in opposite directions.

But when a left-handed electron meets a right-handed electron, nose to nose, they dance in tune.

The violence of the field entering each of the black holes cushions them apart. The suction of the black holes keeps them together. The jet of each pushes it against the other.

This is the neutron.

### THE ATOM

It is now possible to structure the entire periodic table of the elements.

We begin with the hydrogen atom, and the proton from which it is formed -- the simplest proton, with only one shell, which lies between the field of the original electron (A) and the

field of the captured electron (b).

Within this shell and the violence of its conflicting currents lie all the ingredients for the creation of an electron. It is inevitable that a new electron will be formed. The core of this new electron is dense, and will swing down to orbit the equator of the proton.

It is said that the electron has  $1/1837$  the mass of the hydrogen nucleus; but that its volume is 1837 times as great.

So now we must look at a definition of mass, as versus that of the field.

Mass is the dense core of the electron, and/or the core of the proton.

It is the core that is dense to near solidity.

The field(s) are, to all intents and purposes, invisible. There are so light and voluminous in nature that they are measured as a charge.

We are speaking of micro-time and micro-space, and their velocities.

The proton core, or nucleus, remains at the center of the atom, measurable as itself.

The electron core, orbiting the nucleus at tremendous velocities, has the apparency of a circular volume, the volume of the entire orbit -- 1837 times as great as that of the central nucleus.

The hydrogen's orbiting electron swings on its field as on wings, that stretch from pole to pole of the atom -- but always within the shell to which it is confined. Those wings are of violent motion, but so voluminous and so light a density that they register only as a charge.

Thus the hydrogen atom, the start of the ladder of the periodic table.

To begin the atomic climb up the periodic ladder, it is necessary to add energy to the hydrogen nucleus.

A proton adds energy and mass in the same manner by which it originally became a proton. It captures another electron from outside, through its black holes, into a central core.

The core of the newly captured electron is stuck in the throat of the proton, and its field forms a new, counter-rotating shell around the earlier shell(s).

With this added energy and mass, the spin of the proton increases, its becomes internally denser and smaller; but the new shell brings its volume back to the original size.

Within this new shell, again, the violence of conflicting, counter-rotating currents creates new electrons, their cores



swinging in to orbit the equator of the nucleus, while their fields expand to fill the shell.

Where there are multiple electrons within a shell, they may combine to become neutrons, positrons, etc., as well as remaining electrons; but their number is restricted to spatial characteristics within the shell to which they are confined, since their expanding fields will fill the space available, and obviate the entrance of new electrons.

Thus you have the means and structural capabilities of the ladder which we know best as the Periodic table of the elements... the atoms being built through time and evolution from the ether, through the basic stable particle, the electron to the simple hydrogen atom -- building blocks of the universe.

### WEBBING INTO FORM

The core of each electron is isolated within its field. The cores of the atom are each isolated within its own field, as well as within the field of the atom itself.

The outer shielding field of each atom, composed of the twisting "superstrings of diaelectro-magnetic force interacts with the outer superstrings of other atoms. Where these fields intersect, they weld, tying the two atoms together.

The intersecting fields group the atoms into the overall network of intersecting fields that are forms -- molecules, chemicals, dust, rocks, crystals, groupings; then planets, solar systems, and eventually on up to the galactic spiral, a long distance network of more tenuous interlinks.

Around the various forms netted together into a unit, an overall field develops, which in turn nets into the larger and larger networks.

Thus the cores of each object remain isolated, while the superstrings of their fields net them, step by step, into the larger and larger networks of surrounding forms.

### EVOLUTION 101

A computer is a tool for receiving, comparing, relating, integrating, storing and demonstrating information; and for holding it ready to be accessed.

There are two forms of computer -- digital and analog.

A digital computer handles information in exact quantities and in static relationships. Its facts can be refined to the umpteenth decimal point.

An analog computer stores information in variables and in time relationships. It handles time not as sequences, but as an amalgam. It deals in fluid relationships, such as the relationships expressed in Pi.

Neither form of computer is sentient or self-aware.

The electron can be shown to be structured of the two forms of computer, digital and analog, interlocked but not interacting.

The core of the electron has the pattern of a primitive, unprogrammed digital computer. It is formed of electronic strings coiled in a tight, high velocity ring. Each electronic string is in a sheath of magnetic flow which moves (at the same high velocity) in the opposite direction. Its polarities are external, and it responds to external electromagnetic frequencies. It does not respond to the torrent of diaelectromagnetic force pouring through its center. That force is invisible to it.

This core of the electron, this primitive digital computer, is similar in submicroscopic form to today's integrated circuit digital computers.

The field of the electron is a primitive, unprogrammed form analog computer. It is structured of diaelectromagnetic "superstrings" -- i.e., strings of scalar wave frequencies which are internally balanced and sero-aum, so that they present no external hooks. These superstrings will interact only with other scalar wave frequencies, and at a point where they intersect and create a focus. The electromagnetic core through which these scalar wave frequencies pour before they spread into a sphere forming a gyroscopic particle, is invisible to the superstrings.

This field of the electron, this primitive analog computer, is similar in pattern to today's developing photonic computers with their lasers that do not "see" matter. It stores its information in holographic form

The two computers -- digital and analog -- that make up the gyroscopic electron, are opposed in direction of flow, in position, in volume, in density and in velocity. The tight, dense ring of force that is the core circles at a velocity several orders of magnitude greater than that of its voluminous, diaphanous englobing sphere. The two, though interlocked, are effectively invisible, the one to the other.

The two computers are also opposed in function. The core measures the input information from external frequencies in

exact quantities and in static relationships. Digitally. The field registers information input from its focal contacts (the outer fields of other electrons, atoms and other forms on up the ladder) in fluid relationships over frames of time, in the variables of Pi, and in holographic form.

These electrons, each formed of the two opposed computers and in gyroscopic motion, combine to form protons, atoms and elements up the periodic table. Each electron retains its own form within the field of the atom which it helps to build and of which it becomes part, so that the atom, too, has the form of interlocked digital and analog computers. The atoms in turn retain their forms as they build into molecules, which also in turn have overall fields containing the atoms and are in the form of interlocked digital/analog computers. And so on, up the evolutionary ladder.

Computers within computers within computers in a vast variety of interwebbed forms.

Here at the base of the evolutionary ladder you have, illustrated, the pattern and operative system on which our galaxy is built.

The cores of each of the atoms, molecules, and larger forms are isolated, the one from the other.

The outer fields of each component intersect, find total points and weld. If the two intersecting superstrings are of fairly well-balanced components, they remain welded. If one of the components is sufficiently heavier than the other, the weld breaks.

Take, for instance, the atoms of a crystal. Here you have a myriad of atoms webbed into a whole, each atom in violent motion, the myriad cores at (comparatively) planetary distances the one from the other, yet the crystal is in a dynamic stability, webbed into a unit by the intersecting focal points of its fields. Around this crystal unit, its own field develops to be its outer shield.

So, too, for the galaxy, which is formed with the same pattern and the same operative system.

At the galactic center, as the galactic field pours through the galactic core, the friction between the two forces creates electrons that are thrown off into long spiral arms extending out from the core within the swirling galactic field.

Over the billions, those electrons, forced outward, are webbed into suns and planets. As they reach towards the ends of the spiral arms, the netted forms evolve towards life.

Thus has begun the long, slow climb over billennia from electron to form -- to fire, air, earth and water.

If you think that it's all quiet on the galactic front while this is happening, you're very much mistaken.

There is electronic fire, collisions, the atoms have formed into chemicals and their fires; the pull and push of the vacuums, the forming and destruction as the galactic form grows.

And always and always, the torrential winds of the galactic field forcing its way through the black hole at the center of the galactic core, is throwing off new electrons to spiral out and away in long spiral arms.

The core(s) of the galaxy itself we see as the Milky Way. But the galactic field -- the huge, webbed field of superstrings that englobes those cores is invisible to our eyes.

The electrons whirl away from the galactic core at the velocity of light, the particles careening through space, driven by the jets at their tails, tossed and turned by the violent galactic winds, comparable to our own system's solar winds.

Further along the spiral arms, where suns and then planets have formed, they slow to a more ponderous velocity.

There is electronic fire and chemical fire, and terrible volcanos as magnetic flux within the crusts of the suns and planets throws out melted iron and rock. There is chaos, but form has begun.

By the time (billennia) that the galaxy is fairly well formed, its webbing of fields -- in what I call the "net" -- not only holds the vast variety of forms together, but webs the galaxy into a whole, the stars in their courses, the planets that surround them, the long arms of the spirals -- all within the overall galactic field.

Each net holds the holographic record of its formation and its history, and is interconnected with the nets of every other particle, in a spiderweb of information available, ready for access.

Each core, isolated, holds the electromagnetically stored information of its own formation and history.

This galaxy of information is interlocked, each field to the network of fields, each field to its own core.

But as yet there is not life, no interaction between fields and cores; no sharing of information between the digital and analog storage libraries.

There is duplication of form, since the attractive forces of the various forms tend to duplication; but there is no reproduction.

The computers within computers within computers are

interlocked, but not interactive.

Life begins when a means develops for the sharing of the two different types of knowledge. It begins when exact pieces of static information are combined with the variables of motion and continuation through time.

It begins when an interface forms between the two creates the combination of exactness of form with variable motion through time, as well as a means of preserving, down the centuries, the conclusions that prove themselves valid.

Take the amoeba. A primitive interface develops between the overall field of the amoeba, and the body at its core.

Each computer presents its information at the interface. When the two sets of information corroborate -- reinforce -- each other, the results are returned to both computers and stored, each in its own system of handling. Where there is a discrepancy -- where the two do not reinforce -- each set of information is sent back to the originating computer and stored as unreinforced, probably negligible.

Once this communication is established, a life form becomes possible. Reproduction becomes possible. It becomes possible to vary the relationships of exact components, to create new patterns in individual motion through time and space, preserving the viable, discarding the unviable.

When the amoeba splits to reproduce, it splits along the interface, taking the duplicated information that has been corroborated with each half, as well as half of each of the two computers.

At this point, a support structure for each of the two computers begins to develop -- the body for the digital computer, the overall field for the analog computer.

As life evolves, the intimacy of interaction at the interface between the two computers develops slowly into sentience, self-awareness and eventually intelligence.

The intimacy of interaction between the two computers is an exact measure of the intelligence of a life form.

In the human, the core, or digital computer, is stored in the skull. The body acts as a support structure to that computer.

In the human, the field, or holographic computer is stored in the aura, which surrounds and interpenetrates the skull.

The support structure for this computer is the field which surrounds and interpenetrates the body, with the chakras as points of contact; and with the superstrings of the field interwebbed into the net of superstrings that connects the field to

its environment, and to the vast network of fields throughout the planet, the solar system and the galaxy.

In the human, the interface between the core computer and the field computer is thought possibly to be the pineal gland, a silicone structure which shatters at death of the body.

The body, or core, of the human, is isolated within itself except during the sex act, when it combines and exchanges information with another human. The body continues its own specialized form and intelligence by reproducing its own kind with the delicate network of genes to give it immortality.

The immortality of the field is achieved at the death of the body, when the field forms a hologram of a body through which it can continue an interlock and interaction. It goes out on the net until such time as it finds another body with which to amalgamate, whether in the past, the present or the future.

The two forms of intelligence -- digital and analog -- are contrasted in scope, the one isolated within its field, the other capable of reaching out across whatever distances and times it can encompass, to gather information much as you would with a telephone system or fax.

They are contrasted in frequency. They are out of phase, the one with the other. The body (we are speaking now of the human) has recapitulated the evolutionary sequence at the time of its birth, and is ready to begin maturing. The field begins recapitulating its evolutionary sequence at the birth of the body.

As the body reaches maturity, the field reaches the ability to begin maturation. As the body passes the reproductive stage, the field reaches maturity. As the body dies, the field has become mature and is ready to go out on the net as a holographic form.

We have been speaking of the body, but let's return to the vast form of the galaxy, also with the two computers, quite similar in pattern to the human, creating and recreating itself constantly as it throws off electrons at its core into the long spiral arms that flow outwards within the overall structure of the its tremendous field component.

Are the two vast computers of which our galaxy is formed merely interlocked? Or have they created an interface and developed the intelligence that such an interface makes possible?

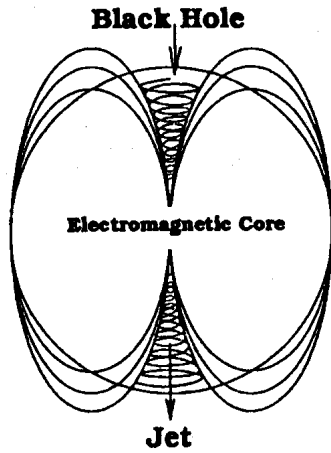
Has the galaxy itself become a Supreme Intelligence of which we humans and the other intelligences that must exist towards the ends of the galactic spiral arms a sub-microscopic

part?

Or is the galaxy itself simply a tremendous informational source, with the humans and other life forms acting as a primitive galactic interface?

It's quite a question. The computers are there, and can be shown to be there. The interface potential is there, and can be shown to be there.

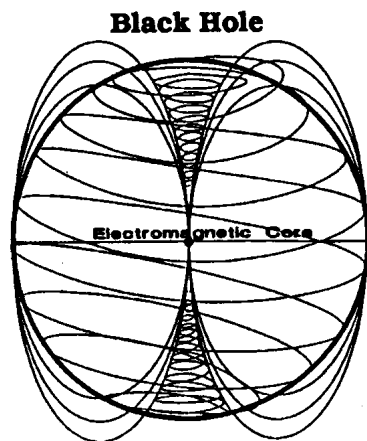
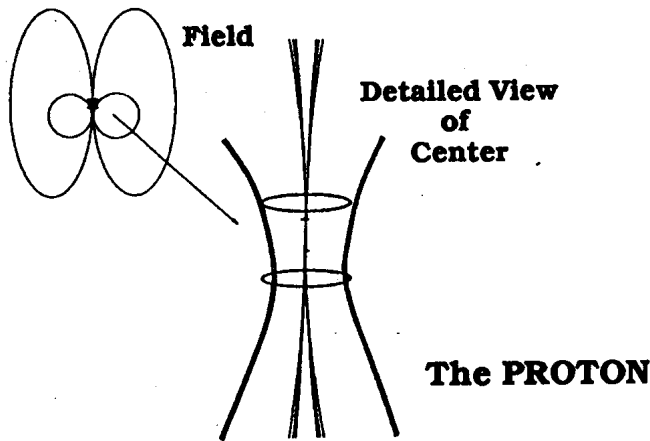
And we -- and the other intelligences at the far ends of the spiral arms -- the interface which makes the information useful? Or has the galaxy itself, as such, the interface and intelligence capability?



The Electron, the earth, the galaxy, and all other living things. Whether you're referring to an Angel or an Apple a Rock or a Frog; The "Field" is complete... around and through each and every one.

**Dialectromagnetic Field**

**Proton - Interior Configuration**



**FIELD**  
**Dialectromagnetic**

The electromagnetic core and the dialectromagnetic field - equals and opposites, interlocked - operate as a unit of opposed forces.

**The ELECTRON - Shown in two dimensions**