

SEE, — **HOW** the complexities of **FIELD THEORIES HID** from us, the fact that **relative motion** (phase) between all these spinning entities, in the micro & macro universe, gives us **all** the **attractive and repulsive Fundamental Forces**.

Oct-29-2018.

Field Theories in html: <http://rbduncan.com/fieldtheory.html>

Also, **Field Theories** in Word: <http://rbduncan.com/fieldtheory.doc>

& **Field Theories** in Adobe pdf: <http://rbduncan.com/fieldtheory.pdf>

Fitzpatrick's 1966 book showed the **relative motion** laws of **A. Ampère** unified the forces.

[Fitz's first book in 1966](#)

[Fitz's 1966 book in PDF](#)



This was the way the site --below-- looked many years ago. - - Dan Fitz.

CERN's

God particle

among other things you need to know



This is one internet page that will really make you think!

PRELUDE: Gödel's proof shows us, beyond any doubt whatsoever, that there are **too many major conflicting science beliefs** to consider the absolute certainty of **present science**, even with this new discovery by CERN of the *God particle*.

If Kurt **Gödel** was still alive he'd say this, "*Why can't scientists working on this complicated universe talk to and agree with one another? Everyone working on these complicated airliners agree and talk to one another to produce, fly and maintain these large airliners that are 30 times safer than driving.*"*

**From 1995 through 2003, and this includes the terrorist hijacking deaths of 9-11, there were 3 deaths per air travel and 97 per highway travel for every 10,000,000,000 (ten billion) passenger miles traveled. There were no airline deaths in America at all, the entire year of 2002. See Google: [Cached](#)*

This **new enlightened kind of science** - *that we will discuss herein* - is indeed a **breakthrough**, with far more pieces of the puzzle falling into place. **Do some thinking!** Especially look at CERN's *God particle*.

FIRST: We cannot disregard the **in phase** binding attractions known as *chemical bonding* and also the **in phase** attraction shown by the [Aufbau Laws](#). Remember, quantum physicists know

this is a frequency universe and with frequencies *phase* is of the utmost importance.

Even though electrons are supposed to repel each other, they do attract each other via *in phase*, binding attractions: Electrons attract each other in sigma bonding and pi bonding. These electron pairs, that are attractively bonding *in phase* together, are the things holding everything together. Every chemist knows this.

For instance, a *Cooper pair* - *are two opposite spin electrons, both in the same equatorial spin plane* - that are bound together by their closest sides going in the same direction and having an ultra thin section of both closest sides *in phase*.

A similar *in phase*, ultra thin section, of the closest sides of - *two opposite spin quarks* - a spin up-spin down quark pair is called, by CERN, the *God particle*. This *in phase* attraction of both electrons and quarks was explained by Ampere in the 1820s - *who didn't even know about electrons but* - who knew something in his wires were moving, hence <http://www.rbduncan.com/relMlaw> or a more detailed view [Ampere's Laws](#).

We sense the electron to electron *in phase* binding happening at 3×10^8 meters per second - *the speed of light* - or c .

We sense the *God particle* or quark to similar quark *in phase* binding (*a quark quantum of either gravitational or inertial force*) as happening at 9×10^{16} meters per second or c^2 . Astronomical Schools of Yale, Harvard, etc. all know and *say* gravity acts instantly as required by Newton or at least 9×10^{16} meters per second or c^2 . See [Van Flandern](#).

The reason for all this is because the down quark spin frequency is the square of the electron spin frequency - *a resonance of much greater force than that caused by electron spin* - and this would at first seem at odds with the strength of both gravity and inertia. But it's the number of quark pairs, *so few able to bind*, that give us this total force with a resultant field strength that not only fits like a glove to both gravity and inertial mass but it also serves to make quark spin conserved, exactly like we know electron spin is conserved.

Electrons in our eyes, binding *in phase* with electrons on distant stars - *then shifting that binding continuously to our brain* - is why we see star light with our eyes*.

Our quarks binding *in phase* with quarks in this earth give us gravitational attraction and our quarks binding *in phase* with quarks in the surrounding stars - *Mach's principle* - give us inertial mass.

* *Eye electrons are being given chemical heat energy by the body and this extra motion allows them to orient spin planes with far away star electrons. Thus each eye electron is - going up an orbital - gaining a quantum of light energy by binding with a star electron. Then that eye electron binds with a closer electron in the brain - dropping an orbital - to give a quantum of light energy to the brain. This is done over and over again in a continuous process. Thus the eye acts as a pump, continuously pumping quanta of light energy into the brain from the eye receptor electrons.*

Quarks can also rapidly change their binding from near to far as well.¹

SECOND: Quantum concepts do not mix with field

concepts: Field rules and math are only used to *simplify* millions of quanta forces, **nothing else!**

Each quantum *in phase* binding attractive force *remains the same strength* and does *not diminish in strength* even with long distances, however they have a long distance limit: Each electron *in phase* quantum binding force is limited in distance by the Hubble limit as shown to us by [Dr. Milo Wolff](#).

The above paragraphs show you why **each quantum of light energy comes from a distant star to your eye full strength**. In fact, this is the cornerstone of quantum mechanics.

Quark to distant quark *in phase* binding with the surrounding stars - *Mach's principle* - is **virtually proven** by the fact that gyroscopes, pendulums and vibrating elements **hold to the surrounding stars**: They completely rotate their planes every 23 hours, 56 minutes and 4 seconds which is **one sidereal day** or the time it takes the earth to make one complete rotation in space (in regard to the stars).

But this is simply a 23 hour, 56 minute and 4 second - *holding to the stars* - paradox as far as present science is concerned.

Both electron and quark quantum binding attractive forces are always in pairs. **Only the number of these binding pairs vary inversely proportional to the square of the distance**. This is why the inverse square rule can be used in field math and rules as long as there are millions of quanta binding forces.

You will certainly need this *new enlightened kind of science* to fully understand this *God particle*, but - *using this new science* - you now end up knowing even a bit more about this *God particle* than those at CERN who finally actually produced it in a way it could be witnessed. Especially See: acceleratingexpandinguniverse.htm

You can get the reason for the *God particle* and the *big picture* of this *new enlightened kind of science* - *being put together now* - by reading various articles at <http://www.rbduncan.com> & <http://www.amperefitz.com>

You can delve into this *new science big picture* using those [links](#) above to understand *exactly* what time is and *exactly* what space is and *exactly* how these two distinct items are inexorably linked in this frequency universe. And they **are** linked because things, like stars, that are separated from you in space are also separated from you in time as well.

If you do that additional reading then you will understand the following much better:

An amazing thing that this *new science* reveals to us is that photons, gluons, etc. along with the *God particle* are all nothing but distant bindings of those ultra thin *in phase* sections involved. They do exchange a quantum of energy so they still might be seen as photons, gluons, *God particles*, etc. but - *unlike the present science belief* - they **are not moving like particles** to exchange this energy. They **are not moving like particles** for the mass - energy exchange either.

This is a surprise indeed!

But an even bigger surprise is that our *new science* gives us the reason for $E = m c^2$.

You get inertial mass or m (mass) when quarks bind with far distant quarks in the surrounding stars.

That changes to E (energy) when the binding changes to closer binding.

¹Both electrons and quarks must bind either near or far. This is why energy can neither be created nor destroyed but only transferred to inertial mass. *And this is also why we have binding energy.*

So $E = m c^2$ is merely a binding change; that's all it is.

And that certainly is a very big surprise!

But the biggest surprise of all is exactly what space and time really are.

In fact, there is no way anyone can even form a logical opinion, about all of this, until they know exactly what space and time really are.

That's why this began with the **Gödel's proof** Prelude.

Ps. And back to where this paper started:

To those who were surprised that our airways were 30 times safer than our highways, I must tell you that **before** that 9-11 terrorist tragedy, America's airlines - *for decades* - ran close to being 50 times safer than traveling on the road.

Thank you,

Daniel P. Fitzpatrick Jr.

Over 4 Decades of Fitzpatrick's Books, Papers & Thoughts
<http://www.amperefitz.com/4.decades.htm> and here's this page duplicated in
Adobe.pdf:

<http://www.amperefitz.com/4.decades.pdf>

Fitzpatrick's website is at <http://www.amperefitz.com>

Another older website carrying Fitzpatrick's works FREE is:
<http://www.rbduncan.com>

Thank you, [World Scientist Database - - Daniel P. Fitzpatrick Jr.](#)

Have a good day & visit my site at **goodreads**:

<http://www.goodreads.com/user/show/276352>

Click ANY of these [links](#) to get what you want

Read my **latest** book FREE: (these two [links](#) below)

http://www.amperefitz.com/ua_20071020_ck_ds_jm_ds.pdf (This is the book in Adobe)

or

<http://www.amperefitz.com/unvasleep.htm> (This book [link](#) opens faster if you have dial up.)

While all the links on this page are OK and presently working, unfortunately only about two thirds (2/3) of the links I gave, years ago, as proof (click & see: <http://www.amperefitz.com/presskit.html>) for statements in this latest book, published in the year **MMVI**, are now still working **BUT** your search engine will probably take you to a similar area where you should be able to read similar proof material.

& super popular now:

[*OED - Feynman's Strange Theory of Light and Matter*](#) "Feynman's Strange Theory of Light and Matter"

<http://amperefitz.com/einsteins.cos.c.htm> Einstein's Cosmological Constant.

<http://www.amperefitz.com/two.magnets.htm> Two magnets will show you more than thousands of books.

<http://amperefitz.com/exexshorttoe.html> Extra short Theory of Everything.

<http://www.amperefitz.com/45years.htm> 45 Years of Putting this Jigsaw Puzzle together - of unifying Gravity with all the other forces.

<http://www.amperefitz.com/question.htm> "Ampere's Long Wire Law is a fact!"

<http://www.amperefitz.com/why.general.relativity.htm> Why we have General Relativity or why mass increases with speed."

<http://amperefitz.com/answers.to.mendel.htm> "Dan Fitzpatrick comments on Theoretical Physicist Mendel Sachs' Beliefs."

<http://amperefitz.com/quarkspin.htm> "While the electron spin causes magnetism, GRAVITY & INERTIA are caused by the QUARK SPIN."

<http://amperefitz.com/abstract.htm> "ABSTRACT of scalar, standing wave concept."

<http://amperefitz.com/lawrm.htm> "It all begins with this all important science law."

<http://amperefitz.com/energy.htm> "All energy is a form of binding energy." (science) e-letter by Fitzpatrick.

<http://amperefitz.com/dark.m.e> Why NASA tells us we have 72% Dark Energy, 23% Dark Matter and 4.6% Atoms.

<http://amperefitz.com/gold1.html> More wave and scalar wave questions answered by Fitzpatrick.

<http://amperefitz.com/fermbos.htm> ELECTRONS are fermions but not when paired spin up - spin down."

<http://amperefitz.com/bond.strengths.htm> "Sigma Bond strengths in the microcosm."

<http://www.amperefitz.com/acceleratingexpandinguniverse.htm> "Accelerating, expanding universe."

<http://amperefitz.com/not.quite.everything.for.a.theory.of.everything.htm> "Not Quite Everything for a Theory of Everything."

[Schrödinger's Universe](#) **Schrodinger's Universe**

<http://rbduncan.com/why.we.have.gravity.htm> "Why we have GRAVITY and why we have Centrifugal Force.

<http://amperefitz.com/einsteins.blunder.htm> "Einstein's Biggest Blunder -- Wasn't?"

<http://amperefitz.com/plawrm.htm> "Electrons normally repel BUT . . ." says Dan Fitzpatrick Jr.

http://www.rbduncan.com/letter_june2004.htm "And Hubble warned us this was NOT an expanding universe."

<http://www.rbduncan.com/binary.htm> Binary Stars act exactly like Electrons.

<http://rbduncan.com/TOEbyFitzpatrick.htm> A "Theory of Everything" by Daniel P. Fitzpatrick Jr.

<http://rbduncan.com/boson+.htm> Bosons?

http://www.rbduncan.com/letter_june2004.htm Newton and Einstein only gave us HALF the story.

<http://www.rbduncan.com/mybook.htm> "A New Science Tool" (science) e-book by Fitzpatrick

<http://rbduncan.com/Gspeed.htm> "Speed of Gravity is 9×10^{16} meters per second."

<http://rbduncan.com/phase.coherence.htm> Phase Coherence and the Inverse Square law.

<http://amperefitz.com/lisiimp.htm> "Why Garrett Lisi's Model is so important."

<http://amperefitz.com/ffacts.htm> "Little Known Facts about Well known science Terms" (science) e-book by Fitzpatrick.

[Mach's principle](#)

[Stephen Wolfram](#)

Adobe [pdf links](#) below give you **more important** actual science about what is really going on in our universe.

QUICK version of Ampere's Laws.

<http://amperefitz.com/qamp.pdf>

Two magnets will show you more than thousands of books.

<http://amperefitz.com/two-magnets.pdf>

Sigma bond strengths in the microcosm

<http://www.amperefitz.com/bond.strengths.pdf>

"An important Quark message no one is heeding!"

<http://amperefitz.com/quarkspin.pdf>

45 Years of Putting this Jigsaw Puzzle together - of unifying Gravity with all the other forces."

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"Ampere's Long Wire Law is a fact!"

<http://amperefitz.com/question.pdf>

"Affenstall Science Christmas Message"

<http://amperefitz.com/affenstall.pdf>

"Dan Fitzpatrick comments on Theoretical Physicist Mendel Sachs' Beliefs."

<http://amperefitz.com/answers.to.mendel.pdf>

"Why we have general relativity or why mass increases with speed."

<http://amperefitz.com/why.general.relativity.pdf>

"Fitz answers some Scalar Wave questions."

<http://amperefitz.com/26nov2006.pdf>

"And Hubble warned us this was NOT an expanding universe."

<http://amperefitz.com/lj2004.pdf>

"Ampere really gave us this Relative Motion Law in 1825 for things he knew were moving in the wire (electrons)."

<http://amperefitz.com/relMlaw.pdf>

"Fitz talks about some basic problems in physics." - by Fitzpatrick.

<http://amperefitz.com/3dec2006.pdf>

"Little Known Facts about Well known science Terms" (science) e-book by Fitzpatrick:

<http://amperefitz.com/ffacts.pdf>

"Lisi's E8 model seems to show us why we get space & time!"

<http://amperefitz.com/e8.pdf>

"Why Garrett Lisi's Model is so important."

<http://amperefitz.com/lisi-important.pdf>

"What Dr. Milo Wolff says connects with what A. G. Lisi is showing."

<http://amperefitz.com/a.g.lisi.pdf>

A radioman sees us all as radios tuned in to this universe.

<http://amperefitz.com/noaether.pdf>

WHEN DID YOU PUBLISH "Out-of-phase waves give us space and repulsive force."

<http://amperefitz.com/4apr04caroline.pdf>

But then Caroline - from Cambridge - repudiated what she had discovered: one of the most important scientific discoveries EVER MADE! Incredible! Simply Incredible!

<http://amperefitz.com/Carolines.pdf>

"Why we have GRAVITY."

<http://amperefitz.com/why.we.have.gravity.pdf>

"Speed of Gravity is 9×10^{16} meters per second."

<http://amperefitz.com/Gspeed.pdf>

"Einstein's Principle of Equivalence or why gravity acts like acceleration."

<http://amperefitz.com/principle.of.equivalence.pdf>

Is Saul Perlmutter explaining the reason for us having the principle of equivalence?

<http://amperefitz.com/saultony.pdf>

"It's understanding the Binding Energy Curve" says Dan Fitzpatrick Jr.

<http://amperefitz.com/b.e.curve.pdf>

"All energy is a form of binding energy." (science) e-letter by Fitzpatrick.

<http://amperefitz.com/energy.pdf>

"Shedding light on Energy Quanta."

http://amperefitz.com/letter_july2003.pdf

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Daniel P. Fitzpatrick, Jr.