

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.

$$E=mc^2$$

"You can't square a speed!" Tom Van Flandern

I congratulated noted astronomer Tom Van Flandern for his latest calculation on the speed of gravity because this now gave me valuable information needed to solve a puzzle Dr. Milo Wolff and I were working on. I tried to get Wolff and Van Flandern to get together on this but to no avail.

I told Tom Van Flandern, "Your calculation that the speed of gravitational attraction is greater than or equal to $2 \times 10^{10}c$ puts it right up there — but not quite — in the neighborhood with the speed of light squared". This translated for the non mathematical

reader means, for a stable universe, gravity travels at least or more than 20 billion times the speed of light. (That's using American billion, not the English billion.)

This c^2 (*speed of light squared*) is an extremely useful algebraic term.

Van Flandern's reply to me was. "You can't square a speed!"

While this statement of Van Flandern is absolutely true, then how can we accept Einstein's famous formula that energy equals mass times the **speed of light squared** ($E=mc^2$)?

Because we don't really square the speed of light; we can't.

Speed is so much distance in a certain time. You can't square a certain distance in a certain time.

But you can square only the distance portion and that's what mathematicians do when they calculate the speed of light squared.

It's a fudge factor calculation and it's a bit wrong but that's the only thing mathematicians can do to get an amount for this so called "speed of light squared" algebraic term.

The speed of light is about 300, 000 kilometers per second or 300 million meters a second or, as presented in mathematical terms, **3×10^8 meters per second**.

In mathematical terms the speed of light squared would be **more** than Van Flandern's **$2 \times 10^{10}c$** .

If you accept the speed of light squared to be 9×10^{16} meters per second (speed squared) then square the same speed of light

in miles per second. The problem you will find then that this is a slower speed than the meters per second speed: **proof you cannot square a speed!**

But the important thing that I saw was that when you DO square things, then this is exactly the per second/per second mathematical expression for acceleration and **gravity can not be discerned from acceleration**. (Principle of Equivalence)

This was why I congratulated Tom Van Flandern because I knew **he had discovered the speed of gravity for certain**.

But now I had another problem:

Why did the universe see it **exactly** as c^2 but we didn't and we had to fudge factor it a bit?

It took me a few years to figure that one out and when I did Tom Van Flandern was dead and I couldn't show him that what he had proved was a million times greater than even he knew because he had shown us how this universe of ours sees this thing we call speed.

And it's not quite the way we see speed so we must use this fudge factor squaring the speed of light whereas the universe doesn't need to because the universe sees speed as a frequency just as in Dr. Milo Wolff's frequency world.

See, you can square a frequency — **getting a perfect harmonic resonance** — but you really can't square a speed. So this universe can and does **properly** square a frequency of the electron spin to give us the spin of the down quark. (what this universe makes us see as speed) to get c^2 .

This, that I published in an earlier paper might show what's happening a bit better:

The reason for using Dr. Milo Wolff's spinning, standing wave hypothesis is, the spin frequency of the down quark is the **square** of the spin frequency of the electron. This means that while the fastest speed in our realm is the speed of light or 3×10^8 meters per second, the fastest speed in the quark realm — if a speed could be squared — would be 9×10^{16} meters per second that would appear in our math as the speed of light squared (c^2) — which could possibly also be the speed of gravity???

Gravity is a quark generated force. All major universities teach their astronomers that the speed of light is far too low a speed for gravity. Astronomers all agree with Newton that gravity acts almost instantly or **at least** at $2 \times 10^{10}c$. Note: Van Flandern

<http://www.amperefitz.com/phase.symmetry.htm>

and

<http://www.amperefitz.com/phase.symmetry.pdf>

Thank you,

Daniel P. Fitzpatrick, Jr. May 9, 2014

If you copy this with its [links](#) to your computer then you will have some other pages ([links](#) - both *htm* and *Adobe pdf*) to read because we've only barely scratched the surface of things in this short paper.

VERY LATEST IN SCIENCE: Do Ampere's Laws give us the *final answer* to **DARK MATTER?**

[7-7-2017.The final answer to the cause of Dark Matter.htm](#)

Final and SIMPLE answer to the DARK MATTER attractive force.

In Word: [7-7-2017.Answer to DARK MATTER.doc](#)

7-7-2017 Answer to DARK MATTER also in Adobe.pdf - [7-7-2017.Answer to DARK MATTER.pdf](#)

Fitzpatrick's website, since 1996, is: <http://www.amperefitz.com>

Another older website carrying Fitzpatrick's works FREE since 1991 is:
<http://www.rbduncan.com>



[4 Decades of writings of 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:

[*QED - 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/quarkmspin.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.htm> 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/quarkmspin.pdf>

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

<http://www.amperefitz.com/45years.pdf>

"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