

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.

**" Quanta is derived from spacetime."** D.P.F Jr.

I wrote a paper a few days ago saying I wished Tom Van Flandern was still alive so I could tell him about something I found, and here today I'm writing a paper about **spacetime** that I wish I could tell Caroline Thompson of Cambridge all about, if she was still here and on the internet.

Herman Minkowski, who was Einstein's teacher, knew about this and had he not died early, could have written a better paper about **spacetime** than I'm writing.

We know energy can neither be created nor destroyed and we also know that energy is always delivered in individual quantum pulses.

In order for your GPS to work and give you your position on this earth then a signal has to go from this earth to those satellites above this earth, where there is less gravity than here on earth: Subsequently time goes faster up there than down here on earth where there is more gravity.

Gravity, we all know from Einstein's general relativity, slows down time.

The thing is, as Minkowski showed us, it is space and time changing **always together** never separate.

Space and time (always) change together giving us places with a different **spacetime**: Hence these energy quanta go back and forth, between us and those satellites, so you can use your GPS unit that tells you exactly where you are, on these many roads you travel.

Here's the basic problem: How do you deliver a quantum of energy here on earth to a satellite where time is going faster?

That problem is solved with **spacetime**: The GPS satellites above the earth, where time is going faster, pick up your GPS signals at a lower frequency than you on earth are sending them because satellite time is going faster than your time on earth.

Lower frequencies, however, have less energy than higher frequencies: For instance, violet light has almost twice the

frequency than red light therefore each quantum of violet light energy has almost twice the energy as a quantum of red light.

That satellite receives your GPS signal at a lower frequency (lower energy) than you sent. We know this because we have to set the radio receivers to a lower reception frequency. But won't this (lower frequency, lower energy) lower the energy in that quantum pulse?

NO, even though time is going faster up there the **spacetime** realm up there receives the **same energy** in that quantum pulse, sent from earth. Thus the resultant energy quantum transmitted exactly equals the quantum of energy received regardless of the change in frequency and regardless of the different **spacetime** realm receiving it.

I've written earlier papers (some long, some short) showing exactly how all these energy quanta are transmitted and received.

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

and

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

Thank you,

*Daniel P. Fitzpatrick Jr. May 11, 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.

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>

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

[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

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

[http://www.amperefitz.com/ua\\_20071020\\_ck\\_ds\\_jm\\_ds.pdf](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.

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**& 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/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](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](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  $9 \times 10^{16}$  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  $9 \times 10^{16}$  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](http://amperefitz.com/letter_july2003.pdf)