

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.

© November 28, 2013

Taken from:

<http://www.amperefitz.com/elabdesign.htm>

## Plancks constant

Minkowski almost had it. He told us that both the star's electron and your eye electron had to be on the **same light cone** before you could receive light from a star. It's really that a — *tiny razor blade thin sliver* — portion of both electrons must be in phase, therefore — *instead of being on the same light cone* — being in the same spacetime set up. Even Einstein said he owed a debt to Minkowski who not only corrected a flaw in Einstein's math but helped Einstein enormously. Minkowski taught Einstein quite a

bit about spacetime and the spacetime interval. It's a shame Minkowski died so early at 44.

In other words in equatorial electron bonding, a spin up electron is binding with a spin down electron, and that — *tiny razor blade thin sliver* — portion of their closest sides are bound together with an **in phase** bond. This is what is happening in a sigma chemical bond and also with Cooper pairs.

**Impedance matching** is an important part of every electron to electron binding!

There is no binding unless the frequencies are exactly in phase and both impedances match.

Let's look at what the Britannica tells us about this enigmatic ***h*** (Planck's constant).

Copied from the 2013 Britannica DVD "**Planck's constant**

The dimension of Planck's constant is the product of energy multiplied by time, a quantity called action."

\* \* \*

As the Britannica stated, ***h*** is a certain energy during a certain time.

So ***h*** is giving you the angle — *if you want to do the math* — of this ultra thin portion of the closest sides of a spin up electron binding with a spin down electron, both in the same spin plane. (*Imagine two gears meshing.*) It's only in this ultra tiny angle that these portions are moving **in phase** at the same **velocity** (*speed and direction*).

Because those two electron portions can have the same **velocity** *only* during that ultra tiny angle is what **impedance matching** of those two opposite spin electrons is all about!

Since  $E = mc^2$  and energy is equivalent to mass then the mass of those ultra tiny sliver *in phase* portions of the closest sides of both electrons (*a quantum*), involved in impedance matching, gives ***h*** an *equivalent energy value* of the energy/mass of those ultra thin portions that those two electrons are using to bind.

(We believe this is the first publication of what Planck's mysterious ***h*** really is.)

\* \* \*

*"Pontem perpetui mansuram in saecula mundi."*

*Lacer*

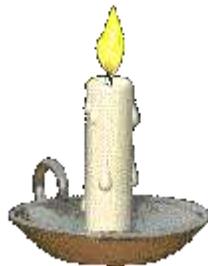
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&

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See: [ABSTRACT](#)

More coming — - — eventually — - -



[Read "\*\*More\*\* about Dark Matter and Dark Energy" \*\*FREE\*\* in \*\*html\*\*.](#)

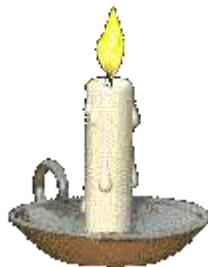
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Copied from the 2013 Britannica DVD: "gravity wave also called gravitational radiation:

the transmission of variations in the gravitational field as waves. According to general relativity, the curvature of spacetime is determined by the distribution of masses, while the motion of masses is determined by the curvature. In consequence, variations of the gravitational field should be transmitted from place to place as waves, just as variations of an electromagnetic field travel as waves. If the masses that are the source of a field change with time, they should radiate energy as waves of curvature of the field."

Evidence for gravity waves was obtained by studying the changing orbital period of a neutron star binary, resulting in the 1993 Nobel Prize in Physics.



If you copy this book 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 book.

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.](#)

[4 Decades of writings of Daniel P. Fitzpatrick Jr.](#)

*Daniel P. Fitzpatrick Jr.*

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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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[\*QED — Feynman's Strange Theory of Light and Matter\*](#) "Feynman's Strange Theory of Light and Matter"

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

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

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<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.

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

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"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:

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

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

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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."

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

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"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?

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

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

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"Shedding light on Energy Quanta."

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