

Shedding a bit of light on the

# Elaborate Design of our Universe

Since you can't judge a book by its cover, we are going to give you an **abstract** of this right now so you can decide immediately if you want to read this book or not.

Everyone entering quantum mechanics sees the disparity between quantum theory and '*common sense*' classical mechanics. One reason **why** we have this incongruity is that the microcosm is a frequency world yet our larger macrocosm world here, university experts claim, is not.

We answer many more of these **whys** in here and this will aid not only the neophyte but also the quantum experts as well because we offer some new ideas that the experimentalists can test.

We also show the **why** in quantum theory because we show that states and quantum numbers are in fact equivalent to phase and frequencies.

## Gambling

It's better than winning the hundred million to one shot on the lottery.

Our chances of having a nearby supernova explosion early on — *giving us the elements we need for life* — and then our sun being the right size and having that asteroid hit while the dinosaurs were here and countless other things, all had to happen precisely at the right time to give us this winning lottery ticket that has enabled us to enjoy life on earth today.

The chances that we shouldn't be here today are much more than a hundred million to one.

So say we: **Richard Mark Fitzpatrick** CEO and founder of **Magpul** and **Daniel P. Fitzpatrick Jr.** (Authors)

We simply had to write this first **Gambling Chapter** after reading Bill Bryson's *A Short History of Nearly Everything*. It's a book well worth reading!

There is absolutely no doubt that we have to thank our lucky

stars — *or whomever else it is you wish to thank* — that we are actually alive and living now even though all of us have but a short time here. As Bryson has shown us, with all the things that had to happen precisely when they did, it's a wonder that we have been given this miraculous chance to be here even for this brief period of time.

It will take us a while to finish this book. We are both willing to put in the effort because it's what we believe. So this book is also — *like our universe* — a gamble!

Here this book will remain, on the internet, for all of you to read, **as we write it.**

In this book we're going to show you **WHY *Everything is Happening*** the way it is.

A recent **Fitzpatrick** paper ended with this little poem, and with it this book begins:

A bit of Pope [Pope-Britannica](#) & Fitzpatrick here:

"Nature and Nature's laws lay hid in night:

God said, "Let Newton be!" And all was light.

Huygens said, "But Newton didn't tell us **why**

We have gravity and all these objects in the sky."

Huygens [Huygens-Britannica](#) congratulated Newton [Newton-Britannica](#) on his great mathematical accomplishment giving us his

gravitational laws, but Huygens also criticized Newton about not finding the answer as to WHY this was so.

In this book you will get a model that really does *finally* tell us why.

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In this model dependent science world of today, you will be presented with a new quantum theory *quantum theory* model — *even better than the standard model* — that gives you the very first 3D, widescreen, **technicolor** picture of reality that is quite a bit superior to that of any models presently being used:

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Also please remember these supremely **important** words of mathematician **Stephen Wolfram**, "*Math can only explain simple things but a simple model can explain a complicated universe.*"

Copied from the 2013 Britannica DVD: "**Stephen Wolfram** born Aug. 29, 1959, London, Eng.

English physicist and author best known for his contributions to the field of cellular automata and the development of Mathematica, an algebraic software system.

The son of a novelist and a philosophy professor, **Wolfram** attended Eton College (1972-76), from which he never graduated, and published

his first scientific paper at age 15. He later studied at the University of Oxford (1976-78) and the California Institute of Technology (CalTech), where he earned a doctorate (1979) in theoretical physics at age 20. In 1981 he became the youngest recipient of a MacArthur Foundation fellowship, and later that year he began researching the origins of nature's complexity. He taught at CalTech from 1980 to 1982. Throughout the 1980s **Wolfram** published a series of celebrated papers on what he dubbed "complex systems research." During this period he taught at the Institute for Advanced Study (1983-86) in Princeton, N.J. In 1986."

On **Wolfram's** premise — *or rather our premise even before we heard Wolfram state it* — that **a simple model can explain a complicated universe**, we sought out a model that could explain *why* things both in the micro and macro worlds tended to congeal into central clumps around which there existed various sized orbital states of other entities of far less mass and *why* was there so much empty space between these central clumps of mass in both the microcosm and macrocosm?

## 10. The Space-time Continuum

*"Henceforth space by itself and time by itself, are doomed to fade away into mere shadows, and only a*

*kind of union of the two will preserve an independent reality."* Hermann Minkowski

**This will happen.** It would have happened sooner if Minkowski had only lived, but he died early of appendicitis.

If you read this chapter then you will understand exactly what this space-time continuum is.

When Minkowski first showed Einstein the space-time concept, Einstein thought it was some sort of *mathematical trick*. But Einstein later grasped it, however, both Einstein and Minkowski failed to see the important **quantum** aspects of this space-time continuum.

We have a **scalar**, **quantum** space-time continuum!

Copied from the 2013 Britannica DVD "**Scalar**:

a physical quantity that is completely described by its magnitude; examples of scalars are volume, density, speed, energy, mass, and time. Other quantities, such as force and velocity, have both magnitude and direction and are called vectors."

Yes, our space-time continuum is a myriad of tiny spinning, standing wave entities existing throughout our surroundings **in all directions** thus **scalar**.

The foundation of general relativity is that all these things are spinning and orbiting on **geodesic paths**.

A **geodesic path** is the **shortest** path through this space-time

continuum.

General relativity tells us that if you give an entity either linear or spin motion then this entity will assume the shortest path — *a geodesic path* — through the existing space-time continuum.

This actually works in the microcosm too if you realize that you are now in a higher frequency space-time realm and these entities are moving on **geodesic paths** in this new and different frequency space-time realm.

Milo Wolff's scalar, spinning, standing wave, space-time realm **mandates** that these spinning, standing wave entities move on **geodesic paths**.

The spin of these entities is also on a geodesic built by the mean or average of all these surrounding forces. However, it is **not scalar**, to various **individual** other spinning, standing wave entities: to many of them it's a **vector** force. Therefore we have these vector **in phase** binding forces — *caused by these spin frequencies*— and an equal number of equal strength out of phase repelling forces being developed in each of these various frequency space-time realms. These equal attracting and repelling forces are all being caused through various spin frequencies.

**The secret foundation of this universe is** that these spins are seen to be on geodesics according to the **average or mean** of the surrounding masses but **not** on geodesics according to

various other individual spinning entities. If it wasn't this way then we wouldn't have magnetism, would we?

Magnetic orbitals also produce magnetism but they mostly all get cancelled out — *via building* — leaving us to view the electron spin as the cause of magnetism. But in the grand universe view these spins — *via building* — all get cancelled out too.

But it's these orbits and spins — *mostly spins* — that are the real building blocks.

Remember what you have learned so far: Both sigma chemical bonds and Cooper pairs are spin-up spin-down electrons binding. They are thus equatorially bound — *their equators lie in the same plane* — with tiny portions of their closest sides ***in phase***. Thus we have this ***in phase***, long distance, type bond: this bond being produced by those tiny portions of their closest sides, of both electrons, that are ***in phase*** (*each, half of a quantum*). A similar but much stronger equatorial quark to quark long distance bonding gives us gravity and a further long distance quark binding with quarks in the surrounding stars give us inertial mass.

As we saw earlier the electron spin creates equal attracting and repelling magnetic forces. And as we've shown, force can be construed as space as it is in Einstein's general relativity.



Therefore these *in phase* forces will attempt to bind these entities into large clumps. But remember what we said about this binding: **Bindings** — *binding force* — **can neither be created nor destroyed.**

This means — *because binding and repelling forces are equal* — most binding forces are now used up binding together these large clumps, this means more repelling forces are left over to repel other large clumps away: This repelling force — *left over* — is Einstein's cosmological constant!

Each of these individual binding forces, whether near or far, have the same strength!

So you still don't get the full picture of things until you realize that each of these binding or repelling forces **do not lose strength with distance!**

**Only the number of these individual forces falls off with the square of the distance.**

Only after you see this can you mathematically work out what is really going on.

And this is proof we do have Einstein's cosmological constant both in micro and macro worlds because with these vector spins — *Rutherford-Bohr view* — there must be the same number of *in phase* attractive forces as out of phase repulsive forces.

Right away you can see — *with these forces not decreasing with distance* — it's **not** fields!

It took Einstein all his life before he saw that. A year before he died in 1954 he said, "I consider it quite possible that physics cannot be based on the field concept, i.e., on continuous structures. In that case, nothing remains of my entire castle in the air, gravitation theory included, [and of] the rest of modern physics."

Field strengths vary as the inverse distance squared; **the strength of these individual forces don't!**

Their full strength distance is, however, limited. This full strength electron force stops at the Hubble limit, as Dr. Milo Wolff showed us.

So what you have now all around you are these thousands of trillions — *probably even more than that* — of these individual **vector** forces all around you giving you both your space and your time.

Most of these forces are continually switching their bindings in various ways and this change in your space is what you see as your time changing because these changing forces — *reach out to you full force to* — actually change and age you.

This is **why** when you look out into space, at the stars, you also look back in time.

This is also **why** when two far distant entities bind then those tiny **in phase** portions, binding, are both in the same space

and same time — *same Minkowski point* — because none of these forces causing this space-time has come between the closest sides, of the electrons or quarks, that are binding. Space-time is quantized and this is one good example showing exactly how it is.

Whether it's our eye lens or other things, nature produces through time, the very best engineering devices. Since the very best radio receiver circuit is the superheterodyne, then let's look at it and see if nature has produced a copy of it.

Lo and behold, we find it has. We can actually see nature's superheterodyne IF (*intermediate frequency*) frequency using Young's double slit experiment.:

So last but not least we discover exactly how this scalar, space-time continuum flows over us. Young's double slit experiment shows us this: Today's consensus is that one photon has to go through both slits to make the interference pattern that Young first saw. In chapter 9 we saw a photon was an in phase binding switch and **it could not possibly go through both slits**. **Instead** it is *nature's superheterodyne intermediate frequency* in the space-time continuum that is causing that interference pattern in Young's double slit experiment.

We have these intermediate frequencies in our space-time continuum because of Milo Wolff's scalar, spinning, standing wave entities. The double slit is showing you the

intermediate frequency standing wave pattern — *as it flows over us at the speed of light* — that all electrons must obey.

**Again**, because we can direct various different frequencies into the double slits, this interference pattern will be **different for each different frequency** beamed in.

Everyone knows that you can see depth with two eyes but not with only one. It's essentially the same with Young's double slit. It gives us an in depth picture of nature's superheterodyne intermediate frequency.

So let's take a better look at Young's double slit — *interferometer* — experiment. [Young's Double Slit](#)

A pin hole camera only gives us one picture with no knowledge of motion.

A single one of Young's slits will essentially do what the single pinhole camera does. Light going through only one slit will not give an interference pattern.

Our two eyes work with our brain to take multiple pictures **slightly separated by space** to show us depth in **space**..

Young's double slit gives us two pin hole cameras **slightly separated by space** to show us depth in **space** or **this intermediate frequency as it flows over us at the speed of light**. We get the picture — *the interference pattern* — of nature's intermediate frequency, as it flows over us in **space-time**.

In any interferometer, you are looking at the interference pattern produced by the emitter and a similar scalar, space-time continuum frequency, as it produces our space at — *what we see as* — the speed of light.

One really **erroneous conclusion** is that the same photon is going through both interferometer slits *at the same time* — *believed by many today* — via some miracle given to us perhaps by the ancient Egyptian religion of Amun. This creed proves to us that many — *in these universities* — totally believe their own BS.

Light energy is definitely neither a photon moving at the velocity of light, nor a beam of light itself moving as a wave at the velocity of light.

Those two things are not **happening!**

One photon going through both slits at the same time, also is not **happening!**

Light is a simple binding energy operation: It's nothing more than that!

**Why have none in these universities even contemplated the space-time continuum to play a vital role in producing this interferometer picture?**

We consider this, new *look* at what Young first found, to be one of our contributions to knowledge in today's science

world.

If you wish to continue believing in the ancient Egyptian religion of Amun — *what the military industrial complex tells you* — then go right ahead and not worry about what you read here.

Thus you have heard our pronouncement while men of equal insight but less courage and men of equal courage but less insight remain silent.

"I may have my faults, but being **wrong** ain't one of them" Jimmy Hoffa

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*"Pontem perpetui mansuram in saecula mundi."*

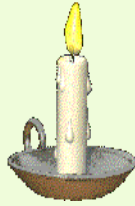
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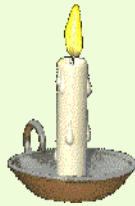
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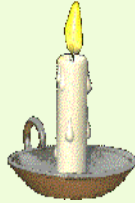
Copied from the 2013 Britannica DVD: "gravity wave also called gravitational radiation:

the transmission of variations in the gravitational field as waves. According to general relativity, the curvature of space-time 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.



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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.](#)

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<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."

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

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[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?

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

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

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Daniel P. Fitzpatrick Jr.

