

The Big Burst

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Everything in the Universe is made from one type of thread.
 All workings of the Universe are result from said thread.

Welcome to the End of the World

"The first law of thermodynamics, also known as Law of Conservation of Energy, states that energy can neither be created nor destroyed; energy can only be transferred or changed from one form to another. In other words, energy cannot be created nor destroyed." -- The First Law of Thermodynamics

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**THE BIG BURST**  
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Everyone has heard of various possible ends of the universe: The Big Crunch, The Big Bounce, The Big Rip, The Big Freeze, False Vacuum, etc.

Here is another - The Big Burst. If you fill the bottom of a pot with popcorn kernels and heat them up - they will just sit for 2 or 3 minutes. Then one or two pop. Then the pop-off rate keeps getting faster and faster - with more and more pops. Until a massive amount go off in a short time - like a burst.

Same thing can happen in the universe. Neutrinos just float around in a completely empty void nichts space. Nothing changes for trillions of years (or an eternity) then time is up for them and the must decay (shape change into fabric of space).

The neutrinos are all basically the same and must have all originated at the same time. So, they would all most likely start to decay at close to the same time - that's the same way the popcorn decided to start popping - then completely loses it in the burst.

If all of the excess neutrinos are going to pop-off in a burst sometime in the future: that of course is the end. The neutrinos popping will load a massive amount of vibrational energy into the quantum thread network (fabric of space). Then the thread network will also lose tension because of the massive amount of fabric of space that was added.

All vibrations will slow down to a crawl then stop. It would be like adding more and more sections of string to a guitar string or turning down the tuning knob and releasing tension on the string. The vibrations (note) will slow down more and more until it is so loose and floppy it cannot even vibrate at all.

A good 2-D model would be like a tennis net laying on the ground NOT connected to anything. You cannot even pluck the net because it is loose with NO tension at all.
 First Law? Energy? Gravity? Light? Heat? Poof, gone.

There will NOT even be time happening (as we know it).

We are immersed in quantum thread network time - that is like a movie.

The speed of "time" for us changes relative to thread tension: $TL = mc^2$

Universal time - is the guy running the projector - it is completely unaffected by anything.

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**TWO DIFFERENT TYPES OF TIME**  
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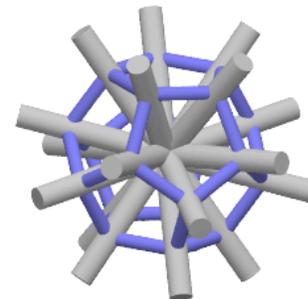
Time is the speed things happen in the quantum thread network.

If the thread network tension increases... gravity increases, and so does the speed of light and everything else with it.

That includes any type of measuring device, the speed your brain is working and time itself.

Increase or decrease tension and it changes everything along with it, that's all electro-magnetic phenomena, vibrations... everything.

It's like being a character in a movie and you don't know the speed the projector is running... fast, slow, stop, start... you don't know.



The thread unit itself would be just the grey threads (or strings) in the picture (no color and a lot thinner of course). It would fit perfectly inside of a **dodecahedron**. Actual thread (or string) length is about one Ångström and it is fine enough where 10 threads (20 radii) could curl-up into the size of a neutron.

- "Universal Time" is like a guy running a movie projector. He can tell exactly how fast the movie is running and the movie has no affect on him.

Universal Time is completely independent from everything and anything.

Universal Time would be happening in literally empty space - completely null, void, vacuous.

Neutrinos floating around in space before the fabric-of-space was created are in universal time.

The neutrinos floating around now are unaffected by fabric-of-space and also still in universal time.

- "Thread Network Time" would be people in the movie. They can't tell what speed the movie is running because they are actually in the movie - they are made from movie film.

Space has the thread network in it (that is what Einstein calls spacetime). The speed of light is the speed of vibrations traversing the thread network, matter itself and of course it is the speed everything works - including people.

Thread network time is an emergent property directly related to the speed of thread vibrations.

Got it? Empty space is completely empty, but there is something in it so, it is NOT empty.

That explains the famous claim: "Empty space is NOT empty"

The Flow of Time:

Gravity is the main reason time can only flow in one direction.

Gravity is caused by a lattice-type thread network, and network tension can only pull things together.

That cannot work in reverse. A couple other things related to that are also happening

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### **FIRST LAW**

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"Energy cannot be created nor destroyed" -- 1st Law

Sorry, that is NOT correct.

Energy is NOT a thing in itself - "energy" happens on something else, in this case it is the vibrations of tensioned quantum threads.

The vacuum energy of (actually non) empty space is not a vacuum, it is tension on the thread network.

An easy example is a vibrating guitar string - the vibrations are the energy. If anything caused a release of tension: the vibrations and energy would disappear. The vibrations would NOT be stored somewhere else nor changed in form somehow. They are just gone.

If you pull on the ends of a loose guitar string and create tension it always has a slight vibration just from the tension create. So, that is also how the initial energy of the universe could have been created - out of a simple tensioning.

The basic fundamental substance - whatever matter is created from - is the stuff that cannot be created nor destroyed. It has always been here and always will be here.

You cannot throw anything away, it will always be in the universe.

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### **BLACK HOLE EVAPORATION**

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Rinse and Repeat:

- A neutrino expands and creates one thready unit fabric of space.
- The fabric of space itself coagulates into matter: protons, neutrons, electrons.
- Matter gets sucked into black hole and shredded back into threads.
- Threads get "rolled into a ball" by massive twisting turning forces in black hole.
- Completely balled-up threads - neutrinos - unaffected by forces - float away (evaporate) - back into space.

Rolled into a ball? Yes, If you have a piece of just about anything - threads, silly putty, mud, meatballs - you can roll it into ball with your hands. All you need is a circular motion and a little bit of pressure.

QUESTION: Can a Black Hole evaporate?

ANSWER: Yes! I used to think that was wrong and nothing could escape a Black Hole but, I guess Stephen Hawking was correct (It may be a different reason but, that is irrelevant)

All "forces" are the result of different type thread configurations.

A neutrino has no protruding nor dangling thread tethers, so gravity and other forces have no effect on them. Neutrinos are like a bag of marbles without the bag - nothing to hold them together.

Nothing Spooky, No Ghosts, No Magic.

Everyone always thinks of neutrinos as "ghostly particles" zipping around at high speed.

Neutrinos emitted from a supernova explosion are of course moving at high speed and with a straight path. But, most neutrinos might actually be somewhat stationary relative to the overall universe. It is everything else that is zipping around.

The Earth is rotating / spinning on axis at high speed and also orbiting at high speed around the Sun.

The Sun is orbiting around the center of the galaxy.

The galaxy is moving through the universe.

So, neutrinos are NOT zipping through us - we are zipping around them through what you could call a "neutrino field" (and the zipping is also happening in a curved orbital path)

QUESTION: Could some neutrinos match the speed of the earth and stay with it?

ANSWER: No, orbits and most movements in the universe are circular. The neutrinos are NOT affected by gravity or anything else so they have NO way to match a circular path or any path other than straight.

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## NEUTRINO EXPANSION RATE

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Popcorn starts out as kernels. You can fill the bottom of a cooking pot with them - then heat it up - and they will pop and fill the whole pot.

If there were 60 kernels and they popped in one minute that would be a rate of one per second. But, they of course did NOT all pop at the same time.

The same thing is happening with neutrinos.

One neutrino can expand into an atom sized unit fabric-of-space.

The neutrinos are just balled-up threads and when they expand they are of course still threads and they only commandeer the size of an atom - it is still mostly empty space.

You could probably fit one quadrillion neutrinos in an atomic volume but, that would be literally solid - so that is NOT the correct amount.

What is the amount? That is unknown.

But if we just say there are 100 neutrinos per atomic volume: we can have a model to work with.

This model Rubik's Cube is made from 27 atomic sized cubits (the individual small cubes).

It represents a 3x3x3 section of space. Space would be the same everywhere else.

Note: Space would actually have a dodecahedral axis pack, but Rubik's Cube is an easier visual.

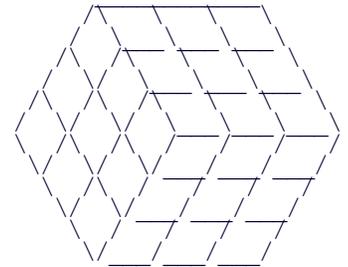
- If every one of the cubits has 100 neutrinos in it:
- There would be: $27 \times 100 = 2,700$ neutrinos in the whole cube.
- If one neutrino per cubit pops-off randomly every 15 billion years:
- It would take 15 billion years to fill in the 27 cubits with one unit fabric of space each.

That means to fill-in the whole cube or the universe: it would take 15 billion years.

NOTE: The Pop-off "burst" rate could be just about any amount of time larger than rate 15 billion. Rate 25 or even rate 100 would work but, rate 15 sounds most likely, i.e. The Goldilocks Rate.

Here is rate 15, continuous Booming:

- Start: Just neutrinos floating around in completely empty void nichts space. Neutrinos start popping-off. That slowly and steadily creates and fills-in the fabric-of-space. The popcorn filled the pot in one minute. The neutrinos will fill the universe with fabric-of-space in 15 billion years.
- 15 billion years: Fabric of space has filled in - BOOM - the lights come on (that's tension and vibrations) this point in time is what they would call the start of the universe. There would be light and vibrations but no visible matter yet. This is the beginning of time as we know it.
- 16 billion years: If they are correct about the atomic matter vs. dark energy / dark matter amounts: one billion years might be enough time to pop-off all the material needed for the amount of visible matter. Then the rest of the pop-offs will go into expansion with an increasing expansion rate.
- 30 billion years: Enough fabric of space is created once again to fill in an entire universe but, one billion years worth went into creating visible matter. Now all pop-offs - 14 billion years worth - go into expansion - yes, that would mean an increasing expansion rate. Excessive amounts of "fabric-of-space" get recycled back into neutrinos by black holes. This is now.



This model Rubik's Cube is made from 27 atomic sized smaller cubits

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## DIMENSIONS AND UNITS

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.....mass = [M] = kilograms
length = [L] = meters
time = [T] = seconds
 ...frequency = [T⁻¹] = seconds⁻¹
speed = [L]/[T] = m/s
 acceleration = [L]/[T²] = m/s²
momentum = [M] [L]/[T] ... = kg_m/s
force = [M] [L]/[T²] . = kg_m/s²
energy = [M] [L²]/[T²] = kg_m²/s²
power = [M] [L²]/[T³] = kg_m²/s³

Tension is a Force. Gravity is a Force. A Newton is a Unit of Force.
 Velocity is a vector but the dimensions are the same as speed = [L]/[T]
 The words like "speed" are only names of what the dimensions on the right are called.
 You cannot have anything like pure length, force nor energy. (Pure mass? Yes, that is OK?)

Notice mass [M] is not equal to energy [M] [L²]/[T²] ...the vibration is missing
 Here is what Einsteins famous equation really looks like...

$$[M] [L^2] / [T^2] = [M] [L^2] / [T^2]$$

Energy already is a mass times speed². Energy can also be Tension times Length.

If you could just lop-off parts of an equation and claim whatever is left is equal... i.e. "energy equals mass" then you could also say that "power equals mass" and so does momentum and force. It is really stupid to think like that.

Speed is NOT equal to length. Speed is equal to length divided by time.
 Energy is NOT equal to mass. Energy is equal to mass times speed squared.

If you hear anyone claim mass and energy are equal or they are interchangeable or they are flip-sides of the same coin: this is what they are actually saying...

$$[M] = [M] [L^2] / [T^2] \quad \leftarrow \text{wrong (of course that is wrong)}$$

Question: Can you convert energy into mass?

Answer: No, of course NOT. "Mass" would be a guitar string. If you pluck it: the vibrations are the energy.
 Can you covert the guitar string vibrations into a guitar string? No, it already is a guitar string.

READ THIS CAREFULLY: Energy is just a word for vibrating mass (or substance). It's like "RED" - you can have a beautiful redheaded girlfriend, a red ball or a red firetruck - but you cannot have just "red."

Could there be a blob of "red" floating around in outer space? NO! it would have to be made from something.
 RED is a word to describe a property of something else.

ENERGY is a word to describe a property of something else.

The term "Pure Energy" came from Spock on Star Trek. That is SciFi.

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## RECAPITULATE:

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Space is NOT empty. There is an all encompassing lattice-type quantum thread network in otherwise empty space. It is gravity centered - Einstein called it Space-Time. Otherwise known as the Fabric of Space. (yes, the fabric of space must actually be made from something)

A good 2-D model would be something like a spiders web made of the finest web-silk-thread filament. Now imagine a 3-D web.

It is made from individual yet connected quantum threads and of course the web has tension on it (that's where gravity gets its pull). The speed vibrations travel through the web is the speed of light (light is a just a

vibration travelling in a quantum thread network)

NOTE: T = Tension, inside brackets [T] = Time

Here is a regular thread tension formula...

Tension = velocity squared x mass / Length

If we plug in c and rearrange we get the one-inch formula for energy and light...

$$TL = mc^2$$

|--inch--|

Now we know where gravity, light, energy and time come from and why light travels at c.

Tesla was correct...

"There is no energy in matter other than that received from the environment." – Nikola Tesla

Mnemonic memory device...

E for Einstein: $E = mc^2$

TL for Tesla: $TL = mc^2$

NOTE: The one-inch equation: $TL = mc^2$ and threads explain: gravity, light, energy, time, atoms, heat, bond angles, isotopes, gravitational waves, matter, mass, dark energy, dark matter, uncertainty, dimensions, double-slit, vacuum fluctuations, vacuum catastrophe, the four forces, curved space, entanglement, gravitational lensing, electron shell configuration, periodic table 18 columns, protons, neutrons, electrons, neutrinos, fringe patterns, bose-einstein condensate, ball lightning, emergence, binding energy, alpha beta gamma radiation, atomic structures, absorption emission spectrum, induced fields, interference, photo electric effect, polarization of light, wave / particle duality, zeeman effect, zero-point energy, superstrings 10 dimensions, magnets / compass needle, etc.

Question: How is it possible that something can explain all those things?

Answer: It is easy to explain everything with the correct theory of everything.

Got it? An Eensy-weensy spider could make an huge web out of almost nothing.

The web itself would be the tensioned fabric-of-space, the construct of gravity, dark matter.

The vibrations of the web are energy and light. The speed the vibrations traverse the web is the speed of "web" (light).

The amount of actual substance needed to make the web is minuscule. If the web were balled-up it would be a dot and that is regular matter.

Ratio-wise: A small amount of regular matter (that's balled-up web threads) is equal to a huge amount of dark matter (web) and dark energy (web vibration).

So, Yes - there is medium and now you know how it is working.

P.S. Remember: Energy can also be $TL = \text{Tension times Length}$.

Here is a regular thread tension formula...

Tension = velocity squared x mass / Length.

If we plug in c and rearrange we get the one-inch formula...

$$TL = mc^2$$

|--inch--|

tension [M][L]/[T^2] * length [L] = mass [M] * speed c^2 [L^2]/[T^2]

<http://www.mccelt.com/the-one-inch-equation-to-explain-all-physical-laws.php>

References

[46] Quantum Boom Theory

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