

# Quantum Bang Theory

by James Cranwell

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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.**

## Quantum Bang Theory - The Small Bang - Microcosmic Bang

*"People are primed to believe in fantasy. That's why we have stuff like big bang theory. Everyone honestly believes everything in entire universe was initially schmooshed into something the size of a proton. You get started in your fantasies and delusions when you are young with stuff like Father Christmas and The Tooth Fairy. Then when you are in college and get an 'A' on the Big Bang test: you fool yourself into thinking it is true and correct" -- SM*

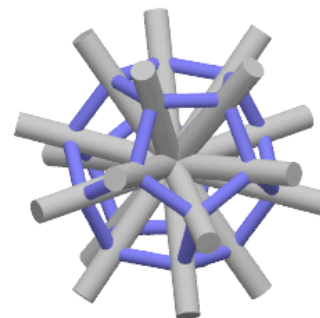
### ~~~~~ 4 AMAZING BIG BANG FACTS ~~~~~

- Big Bang: Everything in the entire universe was initially schmooshed into something the size of a proton ready to expand.
- Expansion: When the universe expands - nothing is actually moving - only space is stretching. More and more "space" is being magically created out of nothing.
- No Center: Even though they claim the universe is a certain size - they claim there is NO center - and everything everywhere is expanding equally away from everything else.
- Four: Everyone believes 1, 2 and 3.

You have to be a new kind of gullible to believe all of those things, correct? Maybe not, it is all actually true - but for different reasons.

### ~~~~~ THE SMALL BANG ~~~~~

- The Small Bang: Everything actually was schmooshed into something the size of a proton. But, it is NOT just one proton "singularity" - it is an uncountable number of neutrinos. Space is NOT empty. There is an all encompassing lattice-type quantum thread network in otherwise empty space (never been ruled out). 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 spider's web made of the finest web-silk-thread filament. Now imagine a 3-D web.  
The fabric of space comes in discrete units. One 3-D web would be like one unit of the fabric of space. One unit is about the same size as an atom.  
If you balled-up one unit of fabric of space: you would get one neutrino. Think about how easy it is to collapse and ball-up a spider's web.
- Expansion: A neutrino is a balled-up unit of space - like a quantum ball of spaghetti. Whenever a neutrino decays (loses cohesion, loses shape), it "expands" - meaning it changes shape from a balled-up proton size to full length threads commandeering about the size of an atom.  
If you magnified a neutrino until it was the size of the dot above the letter "i" (a tittle): the fabric of space unit created by it would be the size of a football stadium. There would be 10 threads joined at their centers - that's 20 radii - forming the dodecahedral axis shape. The 10 threads would be like the finest spider's web filament. Fine enough where 10 threads can ball up into the same size as the dot above the letter "i".
- No Center: Correct. The universe is actually infinity, so, there is no center. The neutrinos must be "expanding" at an high enough rate where there is a noticeable effect in the universe. It is hard to believe but they actually would be "expanding" space and nothing would be moving. More and more "space" is actually being magically created but, it is from the expansion (decay) of neutrinos. Neutrinos "decay" into the fabric of space (it is only a shape change).



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.

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**QUANTUM BANG THEORY**  
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The initial conditions of the universe could be either:

- The quantum thread network (fabric of space) is already in place as it is now. That means the neutrinos are expanding and creating more and more fabric of space and adding it to an already existing mesh.
- Or, there might have been nothing but a massive amount of neutrinos zipping around in a literally empty void space. If that is true there would be no gravity, light, heat, time (as we measure it), or anything else until enough neutrinos expand to create enough fabric of space for tension and vibrations to start.

Think of a tennis net. You could pluck one of the net threads and vibrations would travel through the whole net. That would NOT work if there were small pieces and or big chunks missing from the net. You would have to wait until the missing pieces of the net are filled in.

That is the same way neutrinos would fill in an empty universe. Keep filling piece by piece until the threshold density is reached... then Boom! Let there be light (vibrations).

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**MICROCOSMIC BANG**  
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A neutrino ● can expand - Bang - into one unit of fabric-of-space ✱

The same thing happened everywhere and is still happening everywhere now.  
That is why the CMB is smooth.

● ⇔ ✱

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**MATTER IS CREATED FROM NON-EMPTY SPACE**  
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*"The Standard Model makes very specific predictions of how the Higgs boson interacts with the various particles. The first observations of the Higgs were based on measurements of its decay into other bosons (W, Z, γ). Now, the ATLAS and CMS collaborations show how the Higgs decays directly to fermions such as quarks and leptons, the family of fundamental particles that make up matter." -- [press.cern](http://press.cern)*

That means everything is actually made / created from the same stuff and that is absolutely correct and true. Everything is made from quantum threads. (not the string theory type) They just have the model wrong.

They are claiming the Higgs (which is a supposed all encompassing "field" in space) can decay into quarks - and quarks are their version of what matter is made from - so what they are thinking is a mixed-up version of the actual truth. They just have the models wrong.

Creating matter from space? Yes, the basic ratio is four to one. Four units of space can make 2 protons and 2 electrons and that makes an Hydrogen gas molecule - basic matter.

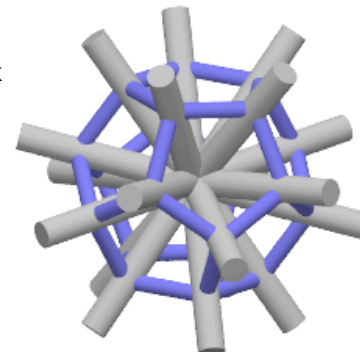
The size ratio is also about the same for hydrogen 4 to 1.

Think of bowling balls. If you place three on the ground in a triangle; you could place one more on top and have a triangular pyramid pack with 4 balls total. If those were units of space and they were converted into one hydrogen gas molecule - the molecule would be about the size of one ball (four units space equals one atom)

That means the thread network in space is the equivalent of 25% real matter, but since it is actually just the network that you cannot see, I guess you can call it Dark Matter.

Got it? If you think of all the threads in space that are filling the Universe and convert them into normal matter... you would get a Universe that is filled with 25% matter.

NOTE: When you have a larger atom like plutonium-241 there would be 241 protons and neutrons total with 94 electrons added to total..  
So it would take 241 + 94 = 335 units of space to make one atom of Plutonium.



**Electron** ~~~ ✱ ~~~

An electron has one thread connected to the proton, 18 threads connect to other electrons in same shell and the last one connects to either upper level electrons or the network in space, nothing balled up.

That's why 18 is the determinant number in electron shell configuration.

Every electron thread unit has 20 threads.  
One thread is attached to the proton.  
One thread connects with space (or an electron in the next outer shell).  
The other 18 threads form the electron disc.

When electrons connect with each other they have 18 threads to play with.  
Check the Periodic Table - there are 18 columns.

**Proton**    ~ ~ ~ ● ~ ~ ~

**Neutron**   ● ~ ~ ~

A proton has 18 threads balled-up and two protruding / dangling thread tethers.  
A neutron is the same as proton but with 19 thread radii balled up or collapsed.  
When a neutron is in the nucleus with a proton all 20 threads are collapsed (although one of the 20 is collapsed in unison with a proton thread, "*There's one for you, nineteen for me*")

**Neutrino:**   ●

What is a Neutrino? ● All 10 threads (20 radii) balled-up -- OR -- some number of threads greater than zero, less than 10 balled-up.

A free neutrino would look like this ●

A neutrino has NO protruding NOR dangling threads so it is unaffected by "forces."  
A balled-up thread unit group like a neutrino can have any speed. But everything else works at the speed of light. So, although it is not impossible - it is not an easy feat to bump-up the speed of something faster than the machine (Universe) that is propelling it.  
Think baseball, a pitcher might be able to throw a baseball at 180 kilometers per hour, but that is absolutely NOT the top speed for a baseball.

NOTICE: If you have a balled-up neutron and one thread unwinds (decays) it becomes a proton. If all the threads of a proton or neutron unwind they can either become an electron if it is connected to the nucleus or it can revert right back into a unit of space. So, matter decays (reverts back into) space - NOT the other way around.

Got That? Everything is made from the exact same thing - the only difference is a change in shape.

Definition: Flux (flaks) n 2. continuous change; instability

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**QUANTUM GRAVITY**  
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There cannot be quantum gravity.  
Although gravity and the other "forces" all work by the same means - threads - the situation and configurations are totally different.

**Gravitational Force:**

This is an atom representation:    ~ ~ ~ ( ● ) ~ ~ ~

This is a thread network unit (Flux):    ~ ~ ~ X ~ ~ ~ It is made from 10 full length threads joined at their centers (or 20 radii emanating from a common center)

Gravity is full length threads pulling atoms together via simple thread tension.

~ ~ ~ ( ● ) ~ ~ · ~ ~ X ~ ~ · ~ ~ X ~ ~ · ~ ~ ( ● ) ~ ~ ~

There must be individual yet connected threads pulling something together. The distance can be small - for instance one thread separation - but it cannot be inside of an atom. That is NOT the way it works - gravity is one or more full length threads with tension on them. If stuff gets close enough to touch - other "forces" take over.

**Electro-magnetic Force:**

Here are two electrons...

~ ~ ~ \* ~ ~ ~    ~ ~ ~ \* ~ ~ ~

When electrons are close enough to attach or bond together: there are two full length threads - one from each electron - completely twisted together (but still full length).

~ ~ ~ \* ~ ~ ~ \* ~ ~ ~

The electrons are literally tied to one another, that is much stronger than a simple thread tension pull.

**Strong Force:**

A free proton would look like this ~ ~ ~ ● ~ ~ ~ (that's one free thread, 18 balled, one free thread)

A free neutron would look like this ● ~ ~ ~ (19 balled, and one free thread)

A free neutrino would look like this ● (20 balled)

A free electron would look like this ~ ~ ~ \* ~ ~ ~ (one free thread, 18 free threads in a disc shape, one free thread)

When one proton thread ~ ~ ~ ● ~ ~ ~

and the neutron thread ● ~ ~ ~

ball up (knot) together ● ● ~ ~ ~ that is the strong force.

Add an electron to that package ● ● ~ ~ ~ \* ~ ~ ~ and you also get the EM force (package aka deuterium)

neutron / knot / proton / twist / electron / thread

● ● ~ ~ ~ \* ~ ~ ~

The "knot" is just threads (like everything else) and it is balled-up between the neutron and the proton so you cannot see it. A balled-up knot is much stronger than a twist.

All "forces" have the same mechanism - threads - but they work by totally different means.

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**GRAVITY CANNOT HAPPEN IN AN ATOM**  
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Got that? Gravity is an actual mechanical force - thread tension. Like a 3-D tennis net with the threads expanded full length that can pull atoms and or mass together. The "forces" inside an atom are completely different. There the threads can completely ball-up together - gravity does NOT work like that.

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**MASS IS INERT - ALL ENERGY COMES FROM SPACE**  
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If you have a tennis net (2-D lattice-type quantum thread network analogy) it has an overall tension on it. The net threads are being pulled from the extremities (if it were an infinite net the tension pull would be coming from infinity). If you use a pair of scissors and snip one thread in the middle of the net... vibrations (energy) will travel through the net (remember the tennis net has tension on it). Every individual section (thread) of the net has tension and can release energy into the net. But you cannot add the individual thread energies together and create a massive sum - because all of the supposed different energies are all one and the same - coming from the net as a whole. If a guitar string has a tension of 9 . So does every point on the string.

~ ~ ~ ~ ~ ■ ~ ~ ~ ~ ~ ■ ~ ~ ~ ~ ~ ■ ~ ~ ~ ~ ~ ■ ~ ~ ~ ~ ~ ■ ~ ~ ~ ~ ~

But you cannot add them together. That would be pure stupidity. The same type of thing has unknowingly happened with the vacuum catastrophe. Space is loaded with energy but it is all from the same source and it is all the same energy. If this is not realized - there would be an enormous mistake: 10^120 ...in calculations.

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**THERE IS NO PURE ENERGY**  
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If a few threads of the net were balled-up (pulled together in a clump) then suddenly unballed (decayed). It would send vibrations through the net. The balled up piece of the net would be considered mass and when it unballs it reverts back to normal net (quantum thread network) and releases energy (vibrations) into the net. The vibrations are the energy. You cannot have vibrations travelling in nothing - thinking that would be pure stupidity.



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**DIMENSIONS AND UNITS**  
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.....mass = [M] = kilograms  
 .....length = [L] = meters  
 .....time = [T] = seconds  
 ...frequency = [T<sup>-1</sup>] = seconds<sup>-1</sup>  
 .....speed = [L]/[T] ..... = m/s  
 acceleration = [L]/[T<sup>2</sup>] .... = m/s<sup>2</sup>  
 ....momentum = [M] [L]/[T] ... = kg\_m/s  
 .....force = [M] [L]/[T<sup>2</sup>] . = kg\_m/s<sup>2</sup>  
 .....energy = [M] [L<sup>2</sup>]/[T<sup>2</sup>] = kg\_m<sup>2</sup>/s<sup>2</sup>  
 .....power = [M] [L<sup>2</sup>]/[T<sup>3</sup>] = kg\_m<sup>2</sup>/s<sup>3</sup>

Dark Matter = [DARK] [M]

Dark Energy = [DARK] [M] [L<sup>2</sup>]/[T<sup>2</sup>]

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] [L<sup>2</sup>]/[T<sup>2</sup>] ...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 speed<sup>2</sup>. 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: this is what they are actually saying...

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

Of course that is wrong

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.

Got it? Dark Energy would have to be made from something. Specifically a vibrating substance.

There is NO pure energy even if it is dark.

And if a matter substance is filling space and it is "dark" or invisible that means it is conveying light.

Dark Matter = [DARK] [M]

Dark Energy = [DARK] [M] [L<sup>2</sup>]/[T<sup>2</sup>]

What could this be? Could space be filled with an unseen matter and a vibrating energy substance?

Yes, It is Quantum Thread Theory. Space is NOT empty. There is an all encompassing lattice-type gravity-centered thread network in space.

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**TENSION IS A FORCE**  
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**Tension times Length is equal to Energy.**

$$\begin{aligned} \text{.force} &= [M] [L] / [T^2] \quad . = \text{kg\_m/s}^2 \\ \text{energy} &= [M] [L^2] / [T^2] = \text{kg\_m}^2/\text{s}^2 \end{aligned}$$

- The thread network has tension on it, that is a pulling force: Gravity
- The network is vibrating, that is energy, it's unseen: Dark Energy
- The network itself is a substance: Dark Matter.

**NOTE: The " T " in the equation... TL = mc<sup>2</sup> ...below is tension and that's a force.**

NOTE: The [T]'s inside brackets below are [time]

Here is a regular thread tension formula...

Tension = velocity squared x mass / Length.

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

$$\begin{aligned} TL &= mc^2 \\ | \text{--inch--} | \end{aligned}$$

$$\text{tension } [M] [L] / [T^2] * \text{length } [L] = \text{mass } [M] * \text{speed } c^2 [L^2] / [T^2]$$

The vibrations travel on the thread particle network as waves

So light is vibrations - waves - traveling on thread particles

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**THE FABRIC OF SPACE**  
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Space is NOT empty. There is an all encompassing lattice-type quantum thread network in otherwise empty space. The quantum threads are also what matter is made from.

The thread network 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)

The Fabric-of-Space is not solid, liquid, gas nor plasma. It is a thread network made from individual yet connected quantum threads. (not the string theory type)

Space has all threads expanded to full length.

Matter has threads balled-up and or wrapped around the nucleus.

The basic quantum thread is approximately one Ångström in length and can be considered 1-D, that's one dimensional (although in reality it must actually have an infinitesimally small width)

Ten of those threads form the basic "particle"... that's 10 threads joined at their centers (or 20 radii emanating from a common center, that's the axis of the dodecahedron - a Platonic solid - the thread unit group can form automatically).

That is the basic thread unit group called a Flux Unit.

The threads would be just the grey threads in the picture (no color and a lot thinner of course).

It would fit perfectly inside of a dodecahedron. It looks like a 3-D asterisk \* with the threads going off equally into every direction.

Although the thread unit group is only threads in the shape of the dodecahedron axis - it commandeers a spherical volume and can sphere-pack space. That is the basic unit and it is approximately one Ångström in diameter.

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**SPACE-TIME IS A MEDIUM**  
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If something is bending or curving or warping or gravitationally microlensing light - it means light is a physical part of it.

Waves can only travel in a medium - that includes light.

PG says cosmological red-shift can stretch Space-Time and thereby stretch photons in transit. If that is correct it would mean photons are traveling in space-time - as a part of it - and space-time is a medium. Something can only affect something else if it is in direct contact or it is a part of it.

The spiders web and moth are a good example. A moth can only be pulled apart by a stretching web if it is stuck in the web.

If a moth is doing a fly-by the web has no effect on it.

So, space-time must actually be something and there is a huge amount of it.

Got That? You cannot curve light in nothing. Magic is NOT real.

The reason light always travels at "c" the speed of light is: there is a medium filling space.

Michelson-Morley created an experiment to detect if the Earth is rushing through the medium. The experiment was null - so the Earth is NOT rushing through it.

Then, just recently, they created Gravity Probe B - to detect if the medium is being dragged - and they found out... yes, it is being dragged!

Einstein called the medium "Space-Time."

It is responsible for gravity, the conveyance of light and a few other things. That's why the speed of light, gravity and the speed of gravitational waves are the same speed - the speed of light.

- Light travels at speed of light c
- Gravitational waves travel at c

Notice exact same speed.

Must have something in common.

- Gravitational waves travel in space time.
- Light is a massless particle or wave or both at the same time (they are not sure) and travels in nothing? No, they goofed. Think about it for a year or two.

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**TWO WRONGS MAKE A RIGHT**  
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They think there was a Big Bang.

If true: there would absolutely be a center of the universe.

But, they claim there is NO center.

Truth: Universe is infinity, so - actually NO center.

So, they are wrong twice - but it makes "no center" inadvertently correct.

If everything is actually as they say: of course there is a center.

The BB proton "singularity" has a center.

The universe "inflated" to grapefruit size in a nanosecond - a grapefruit has center.

Now the Universe is claimed to diameter: 93 billion light years. That of course has a center.

If the universe has a certain size or variable size that means there is a center.

Note for imbeciles: the "size" doesn't matter. It could be 13 billion, 93 billion, whatever. Anything less than infinity has an exact size and a center.

Got that? They might be wrong about something twice. Unbelievably wrong. But just by dumb luck the result is correct. This might happen a lot but it is NOT so easy to see it sometimes.

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**EPILOGUE**  
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So, now you do NOT have to worry about being called "gullible" because you believe:

- Everything was initially schmooshed into proton size.
- More and more "space" is being magically created.
- The universe has NO center.

Those things are true.



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**A LITTLE LATE TO THE PARTY**  
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At this point in time they are debating whether or not space is empty? But the magnetic compass has been around for thousands of years.

With a simple compass you can easily verify:

- There is something filling supposed empty space.
- Whatever is filling space is also lining-up
- Whatever is lining-up also has a direction.

Can General or Special Relativity explain something in space is lining-up and having a direction? Of course not. String theory with tiny vibration strings can also absolutely NOT explain it.

The supposed Higgs Field does NOT explain it.

There is nothing in the Standard Model that can explain it.

Loop Quantum Gravity? Quantum Mechanics? Nope, nothing explains it.

NOTE: you might get Mr. Simple that claims it is vectors in the EMF (field) but that is just infuriating because a "vector" is just another word for a direction - and the reason for space having a direction is what is NOT explained. (Richard Feynman would tear you a new one)

They also think a "field" is just math - like a set of numbers - nothing of actual substance. And the numbers only represent places in space - nothing is actually there. So, that offers no explanation whatsoever.

Got that?

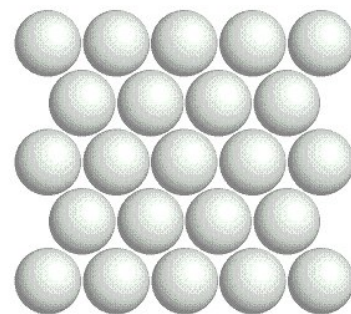
If someone asks you what a "magnetic field" is...

your answer cannot be: left, right, 5, 6, 7.

"Lining-up" Analogy: If you threw a bunch of ping-pong balls into a box container they would pack the bottom. They would actually line-up.

Lining-up is easy.

And if you threw a pencil into the box with the ping-pong balls the pencil would also be forced to line-up along one of the troughs made by the ping-pong balls. But there is absolutely NO direction involved. The lining up would be just random - for this scenario it is one of six ways.



Having a direction is the monumental thing - space itself can force something physical into a specific direction.

Got That? The directional line-up would be like putting the pencil in the box and the ping-pong balls somehow mechanically move the pencil so it points north.

And if you rotate the whole box the ping-pong balls will change the direction of the pencil again - to point north

Think about it: A simple compass completely wipes every known theory right off the map. But it proves there must be a substance in space and it can line-up somehow. Is that even possible? Yes, it is easy, it's **Quantum Thread Theory**. QTT explains everything...

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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, energy, time, light, heat, atoms, bond angles, isotopes, gravitational waves, matter, dark energy, dark matter, uncertainty, dimensions, double-slit, vacuum fluctuations, vacuum catastrophe, the four forces, curved space, entanglement, gravitational lensing, fringe patterns, bose-einstein condensate, ball lightning, emergence, binding energy, alpha beta gamma radiation, atomic structures, induced fields, interference, photo electric effect, polarization of light, wave / particle duality, zeeman effect, zero-point energy, superstrings 10 dimensions, magnets / compass needle, etc.

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

$$TL = mc^2$$

|--inch--|

tension [M][L]/[T<sup>2</sup>] \* length [L] = mass [M] \* speed c<sup>2</sup> [L<sup>2</sup>]/[T<sup>2</sup>]  
<http://www.mccelt.com/the-one-inch-equation-to-explain-all-physical-laws.php>

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### References

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Authors: [Seamus McCelt](#)

Category: [Quantum Gravity and String Theory](#)