

he Unification
Theory

From Physics to Physic

By Jon Woodward

"Whatever there is at all in three worlds, which are possessed of moving and non-moving being, cannot exist apart from Anita."

Mahavira

(AD 850)

"Anita" meaning Calculation.

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1. Introduction.

I first began reading physics during when I had read Einstein's Relativity. That book is really encouraging as far as the equations go, but the logic is something difficult to understand to someone so far removed from the ideas of a century ago, though now I can generally understand what the formulas mean.

I then later would study some more ideas on the topic of nature. Ideas in the book Relativity The Special and General Theory of Einstein's were important to me because the work praises the speed of light as a constant velocity.

At first I looked to understand the theory as a whole then I would take bits and pieces of it and try to actually do what the theory states. The speed of Light play an important role in both the Relativity and this theory called The Unification theory from physics to physic.

The Unification Theory as you shall see contains similarities to Relativity in the description of the Universe at various levels of concept which science regards as fundamental, big-bang, electromagnetism, gravity, and atomic forces. It was not Einstein that truly inspired this knowledge though, because The Unification Theory is a particle theory. Relativity was written well before the work on Quanta would be done; his equations had locked on to some fabulous Universal theories which could only have been his equations are parallel to any workable model of the Universe.

Quantum Theory led me to the discovery of a Unified Universe. The book "Quantum Theory" was written by David Bohm and the reading of his book helped me find an idea that interested me. That idea would then lead me to believe that I had found a simple path for Unification that was based on the quantum theory; it also would be able to explain the four forces as one.

The four forces are seemingly separate yet scientists know there is something missing to the equation. Gravity, Electromagnetism, The Strong and the Weak forces are common names for each of the various happenings. They can be unified if we assign a quantum to be the mediating particle responsible for transmission of that force. The natural object to assign is the photon which can assume any energy level according to the Electromagnetic Spectrum.

All this seems relatively simple. The photon transmits force in all four cases to cause the observed effects. This seems to unify the forces, but only if we really know what photons are doing and how they cause each force in detail can we further understand which we will discuss contains

the minimum requirements that a. The speed of light is kept as a maximum
b. The law is quantum in detail.

Gravity is the most discussed force of the four forces. We can picture gravity occurring at a basic level in the sense that our weight is caused by it and weight-objects "fall" to the floor.

Using this information of the four forces I first discovered gravity to be unified. I did this by imagining one sphere. Perfectly incased - and then you can imagine that other particle spheres smaller than it are causing a similar quantum scheme of gravity. The specific motions of the particles and where they originate are key to making this theoretical model function.

Every idea on gravity came from Bohm's work "Quantum Theory", although the work was mainly sets of equations worked out over a long period of time it did contain one theory on how quantum gravity might work. He supposed that gravitons originate from planets and stars of mass to cause gravity; his supposition contains logical flaws however and this is what allowed me to re-model the situation to fit into a theory of Unification.

According to his views on the topic in a solar system like ours the Earth would give off particles called gravitons. They would travel in orbits and comeback to strike the Earth. The strike would cause objects hit; they



would then fall to Earth.

Bohm had to conclude also that the particles returned because he thought that an object would run out of matter since it *needs* to follow the Conservation principle.

This is not however to be held true because if we did indeed use the Conservation principle in that manner then we would be left with a theory with a flaw in it's logic. The particles could not both leave a body and return, even at light speed, because for one the particles would collide with targets on their way out and for two in order for any type of return orbit to occur the radius of that circle would be immense to the point of making the age of the planet far older than it is today.

Having all this to consider I began looking for ways around this problem. The particles had to come from another source because they would constantly be getting blocked as they tried to make their orbits. If the particles came from other planets, stars, and solar-systems then we

could make the theory work. The particles travel in outer-space until they came in contact with a body of mass, since the particles are traveling at light speed they cause objects to accelerate to incredible speeds. This is why even very fast moving objects such as comets continue to accelerate until they are stopped by the ground.



The particles are nothing more than photons given off by the planets and stars as natural radiation. It is clear that the Earth's sky has more radiation coming down on it than is being sent out; this is possibly the reason why things tend to fall rather than rise. Also the galaxies are known to push each other away by some expansion force; this force could explain why this happens due to the radiation being given off in all directions and in equal amounts. This same radiation could then have enough force to find Earth and keep us all on our seats.

In this book you will find The Universe explained, the Universe chapter consists of the Big- Bang and the reason for the creationism concept. The Universe is followed by a summation of natural laws in the Chapter The Laws of the Universe, and is followed by The Mathematics of Unification.

After we have laid the groundwork we will cover Gravity and the Unified Force in detail. Some of the Predictions of Unification will be covered; these will include how to test for gravity in zero-gravity, how to reproduce gravity, along with some overall theorizing on proofs of Unified forces.

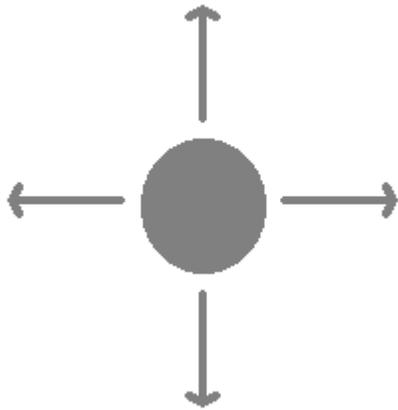
Some discussion on the results of Unification are provided by explaining how Applying Unified Concepts can be used and topics such as Unified Time, magnets, Energy efficiency, and how time travel might be possible.

Concepts for Space Exploration follows that chapter and describes how that in space these concepts can be applied. It is important to this chapter to fully understand how gravity works so that accurate models can be presented; they are important,

The last chapter is the Conclusion chapter on the basic laws of Unification. It will restate many of the major topics discussed throughout the book with concern to modern critics by citing general laws of Grand Unified Theory.

2. The Universe.

Patterns that arise such as planet formations and galactic spiral effects are long drawn out product of the expansion of our Universe. Age takes time, and time needs to be defined whenever we consider events of age. Einstein was able to see that time and space are the same concept and in Unification this thought becomes clear. Starting from the Big-Bang the expansion takes place, this is termed Disintegration in Unification Theory.



You see that nothingness encompasses a sphere with a radius of infinity drawn on coordinates. That sphere of nothingness can then be thought of as a particle because it is a sphere when expanded, is singular, and a geometrical point in space-time.

This point in space-time act like a photon as we will see. We know that since it acts like a photon it must move at a constant speed and also since we know the Universe is filled with more than one photon we must suppose that somehow the Universe disintegrated from this one into what is now many today. The Universe does accomplish this using the established laws. For instance if we can suppose that in fact the Universe is made out of "nothing" particles which is nothing more than a label we can realize that in fact it would take "no energy" to manipulate this particle. This series of events then brings us to the pre-conclusion that the energy was provided to break up the particle into other particles because no energy was actually required. This is the real reason the

Universe disintegrates as it does.

This first particle is therefore subject to certain rules already mentioned. The speed of light must be maintained for the particle if it is a photon. Another rule that follows is that if the particles travel at the speed of light no other particle may travel faster than it; therefore whatever equations we adapt to describe the Universal particles will also have to provide for the greatest amount of motion possible. One way to do this is to divide a sphere and then add up their total radius. A sphere divided into two spheres will have a greater radius after it has been divided, and if it were divided it into two spheres will have a greater radius after it has been divided, and if it were divided it into three spheres the radius would be even larger.. Therefore in order to produce the largest radius and hence the fastest speed the Universe must use a very small constant so that the sphere's divide at maximum efficiency.

The logic for this finding is summed up as one law. The law states that the Universe was formed when we simply imagine an infinite sphere. This infinite sphere is defined as a particle since it has a defined shape. Also the particle contains no mass but exists as a "particle of nothing" due to the fact that nothingness can be thought of as a black sphere extending in infinite length. Even then if one agrees that an empty space is a sphere of infinite magnitude we have to conclude that since it contains no mass we may assume that it will require zero-energy to break apart the sphere into separate pieces. The name is given to this The Law of Disintegration. The specific equations that represent this fact is that $0/0=X$, where X is generally allowed to be any real or non real number. In this case $0/0=X$, where $x=$ the identity of a particle of infinite magnitude.

We may now arrive at a start to the Universe through this infinite sphere and only ask what steps do the Law of Disintegration provide and how do they relate to the Big-Bang? The following graphical sequence is in one direction only but notice how relative to the original particle the speed remains constant throughout the process, since each sphere is subject to the same rules.





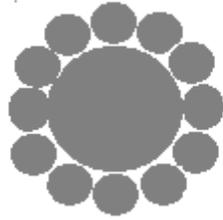
An orderly process that continues forever is very interesting. It shows the motion of a particle which is constant and every particle moves at the same speed. Time=1 has one disintegration, that can be termed 1 unit of mass @ 1 unit of time. This is speed of light. The time=2 shows that another particle is given off of similar size as the first, but it is not the same size it is slightly less because it has less mass to give, this means that in order for the speed to remain constant the first small particle given off has to create it's own small particle. Then all particles have moved relative to the other particles. Time=3 shows that this process continues in the same way so that as the third smaller particle is given off even more disintegrations are necessary to keep the radial expansion constant.

Keeping with those expansions we see that the Universe at no time produces anything that can be considered unique particles. All particles follow the same path of disintegration according to the same set of rules. Following from this explanation we see that all of the Universe is composed of these particles of light, and in a sense all matter is made out of photons. This comes about as the natural process of disintegration.

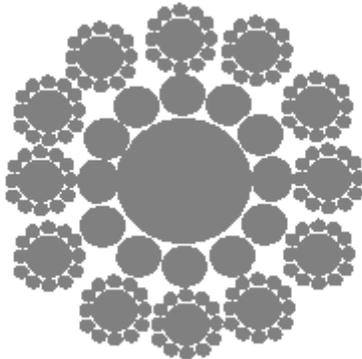
The math is not totally relevant at this moment but will become a little more detailed later in a chapter devoted entirely to Mathematics of Unification. Graphically however we are well on our way to having a logical process of the Universe.

Taken as a whole, nothingness was the first thing we had in our "world" and that's what we start out with at time=0. This time is also the moment we come to realize that a particle has formed in space-time. The first particle then is then supposed to expand at a constant rate of speed similar to the speed of light. The constant value of $1/\text{Infinity}$ is what we use

to produce the small spheres of disintegration. See chapter 4.



Pictorially expanded to 2 dimensions the first step of disintegration looks like this. Relative to the smaller particles the main particle has traveled one small photons diameter in one unit of time. The small particles have also traveled relative to the main particle the same amount of distance, both the particles are therefore moving at the same relative speed. If we consider these particles to be light energy then they are both moving at the Speed of Light.



By not altering the equation, the Universe will continue to expand. The expansion is constant at 1 unit of diameter to 1 unit of time. Each photon is a photon in itself but it is surrounded by other photons to form clumps and groups as the complexity increases. This term is called entropy in science and as this increases so does the total radius of the Universe.

It is not hard to believe then that any attempt to measure the Universe simply by looking at it would not lead to good results. This is because the particles are disintegrating into infinitesimal bits and pieces.

The Law of the Universe is called The Law of Disintegration and continues forever. Since we have assigned a constant to the force it remains unchanged based upon the observers' standpoint. Also, the spheres produce self similar spheres ad infinitum and this is all that makes

up the Universe; Then based on the fact that the speed of light is unsurpassable and the Law of Disintegration is likewise operating at maximum relative motion we may call these particles photons. This leads us to the conclusion that the big-bang was not chaotic energy but an orderly creation of photons that occurred in steps.

3. The Laws of the Universe.

This chapter consists of the major argument of the Universe to date. Special Relativity deals with this 'law of the Universe' and Unification will also deal with it, a topic I am discussing is Constancy of the Velocity of Light. The chapter implies more than one law, and you will see that the Law of Disintegration along with the Law of the Speed of Light can bring us to Unification.

Unification is the process by which a theory or set of rules can define the Universe to exist in only one method of operation. The forces are defined as operations: Electromagnetic force, Gravitational force, Weak force and the Strong force. That list is the total amount of forces used to describe a world; we shall see later in our ever-quest into The Unification Theory From Physics to Physic, that these forces can in fact be united.

Other names for these kind of theories are Grand Unified Theories or Everything Theories. The Unification Theory is indeed a GUT for it contains an equation which results in meaningful predictions that agree with many of the limiting factors that such an equation must follow. It must follow the speed of light, allow for errors of Uncertainty principles and predict an expanding Universe. One thing that I now know is that an Equation of Everything also shows that the Universe will not stop expanding.

The equation also represents how photons travel in space... Special Relativity starts by stating the Speed of Light. This measured speed in metric units is 3×10^8 meters per second. As I stated in chapter 2, the last chapter, the Speed of Light is a product of the expansion of the Universe.

The Law of Disintegration therefore describes motion both in terms of the Infinite photons that formed the Big-Bang, and it explains how regular photons travel light speed. It is possible to describe the motion of the photon using the same explanation used in the previous chapter. The Universe and The Law of Disintegration both follow the constancy of the speed of light, and they both are governed by the same equation.

So by using the methods of disintegration it is possible to fully explain the speed of light. The simple geometry of the situation is as simple as the beginning of time. Each photon produces spheres,. And since a very small sphere produces smaller spheres, it will be traveling at the speed of light. Every photon takes a turn at disintegration, and therefore all relative motion is constant.

The Unification Theory states that photons travel by

converting their "body" into more bodies, this increases the radius when the products are totaled up. The products are therefore traveling away from each other at the constant acceleration known as light speed.

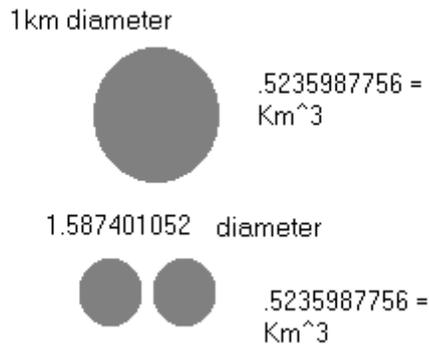
All light speed objects have to come from somewhere. Under the Law of Disintegration they come from once central photon whose mass is infinite at the start. This Photon creates other photons in spherical form, they then are expanding in radius at an infinite velocity.

According to this, speed is always constant in a Unified world; this world is composed solely of photons, and therefore whatever rule governs the photons, governs the photons that produced them. This leads us back to the infinite particle and radial expansion.

Radial expansion has created our Universe and it dictates how photons travel.

They travel by creating relative distance and by doing this they are also obeying the theory of Relativity.

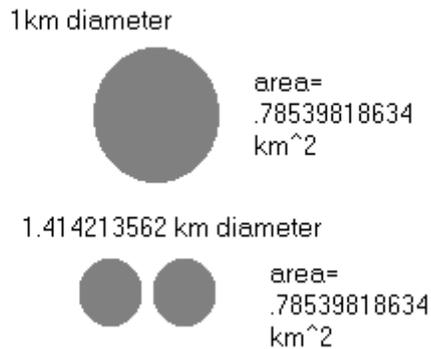
If then we want to know how it is possible to travel a distance, it is the equations of the sphere that hints us in the right direction. By using a sphere of diameter it is possible to divide that sphere and create two spheres with a greater total diameter so as to produce relative motion. Radius expansion produces a sphere with a theoretical volume of precisely $.5235987756 \text{ km}^3$, this is based on the computation of a sphere with a diameter of exactly 1.



Divide the sphere into two and the area stays the same but the diameter increases.

Also the object in 2 dimensions would have a radius of $.5 \text{ km}$, and the area is $.7853981634 \text{ km}^2$. Using the area of the circle we then divide it by two resulting in two circles having an area of $.3926990817 \text{ km}^2$ each. If we obtain radii we get $.35355333906 \text{ km}$ for each circle. As the graph displays the total diameter equals 1.414213562 km . These

calculated numbers match the theory that if two circles divide they will appear to grow.



The circles and spheres can divide even further by having each divide again resulting in 4 shapes. The circles would then have 2km being the total diameter of the system all while maintaining the "area" of the original circle. The sphere the portion increased the most out of both; three dimensions yields 2.5198421 km for the total diameter.

The result is this method of the Unified theory of the propagation of light also known as The Theory of Disintegration. The particle methods allow the objects, whether it be spherical or in 2 dimensions, to be transformed to create an increase in the radius of the system.

All photons therefore follow this method of disintegration to produce motion. Such as the light exiting a lamp when it is turned on. All the light energy is disintegrating and is being pushed by the action.

Even the lamp itself would be made out of photons because if we zoom back in time all things must have disintegrated from one thing. We know from the second chapter that the most likely scenario is that the big-bang was just a giant photon of light that disintegrates over time.

By providing you with a hint into the proof of a diameter expansion in this chapter one hopes that you realize by dividing the sphere into four spheres you get another increase in radius, by extending this to infinity we get the fastest motion. This is called light speed.

These detailed descriptions then have us believe that there is one law of the Universe which can describe all matter in terms of spheres.

The law is pervasive throughout all the Universe so that it even covers the Big-Bang.

Arriving at these conclusions is a bit like finding a broken vase and trying to figure out what it looked like before it was smashed. If you notice that there are some large pieces and many small pieces it had to be smashed more than once, this wouldn't be the case if the vase just broke in 3 pieces as all the pieces would be similar in size. The Universe was created by an Infinite process to yield very complex results, and all the pieces seem to be related in their speed and in their order in which they were created.

That Universe also does not just keep on going at a random level. By looking at the smashed up pieces of matter we know that the Universe is Infinite and symmetrical in every direction so that if you can find the law of how one piece of the puzzle is behaving you know that every piece will behave just as that piece.

The Universe is like a vase then, so that whoever smashed it the first time used a special hammer to smash it in a precise way then smashed every piece that fell off in that same way then smashed the vase itself again and then smashed all the pieces that fell off in a methodological order to maintain a constant. Otherwise nobody would need science as anything and everything would be random.

The Law of Disintegration takes its place as a supplement to the law of the speed of light and it also describes every instance of motion due to the fact that The Unification Theory maintains that the Universe itself was once a giant particle of light.

The nuclear forces of atoms and the force of gravity and electromagnetism are then encapsulated in the general laws of motion for Universal particles otherwise known as photons.

The Laws of the Universe allow us to understand them as similar and interrelated because of the non random nature of the Universe. Gravity and the forces are discussed later in fuller detail, but the fact remains that there seems to be one Unifying principle at work in all instances.

4. The Mathematics of Unification.

It is the purpose of this chapter to provide the reader with an excellent understanding of the math that describes Unification. The numbers are fundamental to this theory. Infinity, zero, one and the factor of .0r1.

$$\bar{.01} = 1/\infty$$

Due to the nature of the formula's the numbers need to be fairly complex, so complex that if we were able to program a computer to do the calculations, it would have to be a computer designed to a different order of specialty. So far as we shall see from the results of The Unification Theory – From Physics to Physic -, that the Law of Disintegration produces a pattern only duplicatable by mathematical calculations, a simple conclusion drawn hundreds of years ago by ancient Indian Philosophers.

Zero is the first number we deal with in Unification. When asking the question of what created the Universe we answer nothing did. Nothing, or zero created the created the Universe by assuming the identity of a particle; in this form, 1 is the next number that Unification deals with because from nothing, 0, came something 1. This is the vital opposite of the numbers. The numbers such as the more complicated infinite repeating decimals, like .9repeating, and .0repeating1 are inverses of Infinite numbers 9r and 10r.

$$\bullet = \infty$$

The equations of disintegration to ten steps:

$$\begin{aligned} \text{Infinity} - (\text{Infinity} * .0r1) &= \text{Infinity},1 \\ \text{Infinity},1 - (\text{Infinity},1 * .0r1) &= \text{Infinity},2 \\ \text{Infinity},2 - (\text{Infinity},2 * .0r1) &= \text{Infinity},3 \\ \text{Infinity},3 - (\text{Infinity}3 * .0r1) &= \text{Infinity},4 \\ \text{Infinity},4 - (\text{Infinity}4 * .0r1) &= \text{Infinity},5 \\ \text{Infinity},5 - (\text{Infinity}5 * .0r1) &= \text{Infinity},6 \\ \text{Infinity},6 - (\text{Infinity}6 * .0r1) &= \text{Infinity},7 \end{aligned}$$

$\text{Infinity},7 - (\text{Infinity}7 * .0r1) = \text{Infinity},8$
 $\text{Infinity},8 - (\text{Infinity}8 * .0r1) = \text{Infinity},9$
 $\text{Infinity},9 - (\text{Infinity}9 * .0r1) = \text{Infinity},10$

We can use the number moderator r. By having 10r we are saying that number is a 1 followed by repeating 0's. The constant to multiply each Infinity is (.0r1) and we end up with similar but different results in each frame.

The results of this process form the pattern of the theoretical world. They are simple subtractions of infinity to account for basic disintegration. The numbers reflect the need for as many spheres to be created to induce relative motion, using infinity and inverse infinity can do this. The particles move at the speed of light by using this spherical process of division.

more @ www.theunificationtheory.com The results of disintegration to ten steps

The first 10 steps of disintegration reveal that the pattern of end digits is 9r then .0r1. They repeat in sequence so that we can check and double check. We encounter the numbers.0r2 and .9r82 for example which shows us that .0r2 is two (2X) times .0r1 and .9r82 is 17 less (<) than .9r.

When counting down from 9r the way is 9r8, 9r7, 9r6, 9r5, 9r4, 9r3, 9r2, 9r1, 9r0, 9r99, 9r98 each being smaller as the number to the right of the r reaches double digits.

This number scheme is used to represent the geometry of motion. The motion is composed of photons. These photons disintegrate into more photons, this continues ad infinitum.

We can find such things as the fact that each number ends in either 9r or .0r1. These patterns help to identify whether or not the equations are correct.

These numbers have been fact checked three (3) times for accuracy each one was done by hand in parts using the decimals to keep track of long subtraction.

$\text{Infinity},1 = 9r$
 $\text{Infinity},2 = 9r8.0r1$
 $\text{Infinity},3 = 9r7.0r2 .9r$
 $\text{Infinity},4 = 9r6.0r5 .9r6 .0r1$
 $\text{Infinity},5 = 9r5.0r9 .9r0 .0r4 .9r$

Infinity,6 = 9r4.0r14 .9r80 .0r14 .9r4 .0r1
 Infinity,7 = 9r3.0r20 .9r65 .0r34 .9r79 .0r6 .9r
 Infinity,8 = 9r2.0r27 .9r44 .0r69 .9r44 .0r27 .9r2 .0r1
 Infinity,9= 9r1.0r35 .9r16 .0r125 .9r874 .0r83 .9r64 .0r8 .9r
 Infinity,10 = 9r0.0r44 .9r880 .0r209 .9r748 .0r209 9r880 .0r44 .9r0 .0r1

Anytime we would want to program these numbers into a calculator you would find they required pencil and paper rather than calculator because of the infinite repeating decimals.

The future of this new system of mathematics Unified Time - The Principle of Disintegration. This theory on how photons caused the big bang uniquely describes the process in such a way that new investigation will reveal that these principles are supported by way future understanding.

This process fully explains disintegration and Unified Time both by using the photon as a particle which disintegrates. The Mathematics of Unification are examples of how we can use equations to calculate the big-bang and beyond.

These first ten (10) steps are just the beginning. There are an infinite more steps which could be calculated. If there are ways to estimate the steps in large amounts it may be possible to see the future.

Since we have worked from subtraction you can see that if you multiply (Infinity,1) by .0r1 and then add that to (Infinity,2), you will get (Infinity, 1). Likewise if you multiply Infinity by .0r1 to get .9r, you can add that to (Infinity,1) to get back to (Infinity). Another fact is that each equation brings a new series of decimal places. So that the first equation has no decimals, the second equations has one set, and the third has two sets. This is because we must borrow in terms of subtraction the quantities which are already infinitesimal, the decimal denotes that the numbers are infinitesimal factors of other infinitesimal numbers.

Infinity takes on the roll of the number 1 in these equations, where you can subtract any small number and get infinitely long decimal answers. We are simply working on the order of infinity to show the scale of something that is larger than any real number.

These numbers show that the beginning of the Universe was one Infinite sphere that was similar to the number 1, as we disintegrate that number 1 the radius increases but the volume of the system stays the same. Infinity,1,2,3,5... represent the volume of the original particle after a number of steps of Disintegration, the extra mass has been shed off as individual spheres which contribute to the expanding Universe. Each steps happens independently and at the same rate. This is called a constant

named the Speed of light.

Photons are being fueled by the non stop disintegration of matter so that relative to every point of reference the process of disintegration is constant.

Extended to Infinity the equations would show that the Universe always expands at a constant rate and that it's motion goes on forever due to the fact that our factor of $.0r1$ is chosen for this purpose. In reality our Universe has a never ending supply of energy located in the center but that the individual parts of the Universe are never ending on the same plane of thinking. Since each individual part disintegrates at a constant according to the Law of Disintegration there is always a constant relative motion between any two points in the Universe at the Fundamental level. If you could see the Universe at this level you would see each set of particles taking turns transforming into their daughter particles and then the next set according to their position, so that that during transformation particles would be traveling at the speed of light relative to the particles at rest. Then the rest particles would accelerate in a cosmic leap frog.

The proof for this comes from the big-bang. The equations show that as the particles takes it's first turn the volume is decreased by $1..$ The second step shows that the disintegration is less than $1, .9r$, however we have to consider that the Universe now has two sets of particles as described in chapter two, the particle would contribute to the total expansion of the Universe and would add the extra distance necessary to keep the process moving at 1 unit per 1 unit of time. This remains constant throughout the Universe and is called the Speed of light.

The reason the speed of light cannot be exceeded is because the Law of Disintegration follows an orderly process. Just because you happen to be traveling at a rate of speed the speed of light remains constant because it is a function of reality and not a function of observation.

The mathematics of Unification are the keys to unlocking the natural phenomena of the Speed of light. The math shows also that particles are constantly creating more particles which are infinitesimally smaller than before. The process is called Disintegration and it is responsible for the Big-Bang and the other forces of Gravity, Electromagnetism, Nuclear forces: as the next two chapters will highlight.

5. Unified Gravity.

Gravity affects us on Earth as well as in outer-space. The classical understanding is that gravity is an acceleration which varies from the energy of planets and stars. It effects everything and it is theorized that an attractive force permeates through space where the further away from an object the less "pull" that object creates.

From the beginning it was thought that it was a magnetic type action. This would be a field type action between the two bodies. Then came the photon, particle theories, and the electromagnetic spectrum which portrays waves and particles existing in the same state.

Unified gravity then follows from the Law of Disintegration in that it is a particle theory which results in "fields" of more particles. These particles are streams of gravitons rushing to their source.

Earth



Gravitons coming from outer-space hit the Earth and cause gravity.

The object is also expelling some energy but it receives focused beams of energy from outer-space compared to diffusing outward. The force is coming downward because more force can overpower the lesser outbound vectors.

I had worked on that explanation for a long time from a short paragraph in his book "Quantum Theory" by David Bohm. In this paragraph was an explanation on how possibly particles could be involved in gravity and David called them gravitons.

He proposes that the gravitons should be created by the Earth and return to the Earth and cause gravity on their return.

Earth



Although Earth gives off radiation it doesn't cause gravity.

The particles that are emitted from the source are not causing gravity to happen. This is the reason we cannot accept the fact that the Earth causes it's own gravity using fields of energy. This is not true because the fields can not be powerful enough at any one point even to cause anti-gravity.

Unification uses the conservation of energy on gravity. The Unified theory is a scheme that gravitons come from other bodies of mass.

The other bodies of mass produce the gravitons that cause gravity according to Unification. They are focused down on us because they are coming from many different directions and many different galaxies rather than from one place. Using this explanation we know that quantum particles are responsible for the acceleration we know as gravity.

This case presents us also with the facts that galaxies can push each other apart with the same force that keeps us in our seats; this major step shows that the classical views of gravity are not just a "pull" force but rather it is a "push" force that appears to be a pull force due to gravitons and our position.

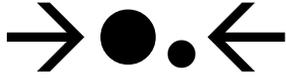
Gravitons are not visible. Light is available to us at high levels of the spectrum and low levels of the spectrum. What this means is that at the most energetic level we have x-ray, we then have another level at the bottom called microwaves. These differ in the actions of their waves and particle natures.

The particle nature is quite simple, a larger particle would create a stronger force than a smaller particle. In order for the gravitons to come from distant galaxies the theory is that they would have to be more like microwaves rather than x-rays in order to travel that distance without impacting something and being deflected.

Since the gravitons would have a hard time passing through a solid object we can use the classical approach and say that mass causes gravity. However an objects density also plays a role in this theory as gravity is only present where gravitons are reflected or absorbed by a body. An object that can interact with gravitons is the basis for being a gravitational body.

The Sun and the Earth happen to follow this proportionally. As the gravitons are coming down from space they collide with the Sun and some collide with the Earth. This pushes them together. The reason for this is because the Sun blocked gravitons so the Earth experienced less force coming from the Sun than it did from outer-space.

Sun Earth



As the Graviton forces from the Galaxy hit these two objects they are pushed, not pulled together.

Galaxies can push each other apart because they are producing the gravitons in this theory. The actions of the particles causes the expansion of galaxies because of the force's on each other. That is why galaxies drift apart because they are pushing each other apart using gravitons.

Finally when you reach outer-space you become suspended in mid air. This is because the gravitons are hitting you from all sides, in equal amounts in random directions. This amounts to zero motion either toward or away from you position because the forces of outer-space are in balance.

6. The Unified Force.

The Unified Force comes from the four forces of physics. If we know that all Universal Units are photons then Unified Force is caused by those particles. For example the four forces known as Gravity, Electromagnetism, Nuclear (weak) and (strong) Force. These four forces tend to explain the Universe when used in their definitions.

However, the universe, is like the second chapter where all we have is one expanding particle and many small particles. The forces are all the same expansion. These go by the Law of Disintegration which is explained to 10 steps in The Mathematics of Unification chapter 4.

Everything so far described points to the fact that we only have one force. This Unified force is The Law of Disintegration. The Law of Disintegration is the new law that we come up with by imagining the big-bang in full. If we start with nothing that nothing stretches in all directions creating a sphere. That sphere creates more spheres.

Gravity is explainable by this process. When the galaxies produce gravitons the Universe concentrates these beams into planets causing gravity. Hence all we have is a beam of gravitons being focused onto an object to cause it to accelerate.

These small waves are therefore focused in on any planet with a mass great enough to shield itself from them to create an attractive force. This force is what we experience as the result of gravitons coming from outer-space. We are drawn to the planets surface because we are "pushed".

The force of electromagnetism is based on the speed of light. The concepts involve similar Unified approaches as we have taken in Gravity where we dismiss the possibility of the magnet or planet causing it's own field and rely more on what other energy exists in outer-space. The reason for this is that as you will see once we get down to the nuclear forces it is hard to imagine an object so small yet having the ability to create it's own force particles which have the ability to escape to make a return journey which would cause attraction for any object in that return path.

Electromagnets use fields but also operate at the speed of light; there are energy disturbances in magnets that cause the photons to bend space and "push" some objects away while bringing others closer due to the complex interaction between the gravitational forces proportioned to the electromagnetic forces.

Picture a bar magnet with positive and negative. Plus and

minus are sides used to determine which side will attract and which will repel. However they are both gravitationally similar but act totally different in the presence of one another. The process is simple, the negative side of the magnet conducts energy from space, and the positive side repels it.

It is the Universal-shape of the magnet that makes it possible for photons to cause the negative side and the positive to have the same mass and different force vectors.

A similar concept of photons pushing objects instead of magnetic fields pulling objects. So magnets may actually be pushed together by space rather than pull themselves that way. This magnet I keep talking about is the result of photons that act as gravitational force particles called gravitons. Gravitons need to be present in order for things to work. Magnets are conductors for gravitons.

The Nuclear forces include the Strong and the Weak force. Protons and electrons are held together by the forces of disintegration. The Strong force is like a black hole and the Weak force is more like a comet falling from the sky. When the nucleus of an atom is enlarged to show detail we can picture an infinite set of energy arranged in a pattern. Just like a Galaxy is the nucleus can be thought of as having rotation, contraction, and expansion.

All of the force directed to the nucleus either keeps it slightly contracting or slightly expanding just like a galaxy. When the nucleus stops contracting it will expand just like a galaxy.

The forces involves disintegration. The math for disintegration is designed to a. move at light speed, and b. always results from spherical objects. The combination of the spherical objects and the speed of light creates force.

Using the experiment of Michelson et Morley; having that concept to test why it is that all photons travel at the same speed regardless of their direction or relative motion is proof that the speed of light is constant regardless of other frames of reference.

Philosophy is of course part of whether you believe particles exist or not. To study it simply by wanting understanding or to know how something is then you cannot come up with an accurate picture because you will always want to learn more. The Unification Theory offers a glimpse into the Unified force by explaining that all of it is caused in cosmic terms of photons with the speed of light. Therefore the way to gain knowledge is to start with a picture of reality and examine it.

The Unified force comes from the very beginning of creation. In that the laws pertaining to the beginning of the Universe should also pertain to the middle. When scientists look at particle accelerators they

are looking at the middle; it is impossible to determine how something works by looking at it, you must be backed up by the law of Uncertainty which states that even though we may devise quantum scale devices are not accurate when trying to figure out what is happening.

Since I did not bother looking in front of my eyes but rather imagine something far different I could learn something and I could know how it works. The Unified Force is the same force operating at the Universal, Quantum and Planetary levels. Of all the things the Unified force is not, it is definitely not abstract. The photons disintegrate into particle fields, these particle fields each then turn into their own fields, this transmits force throughout the physical interaction. Gravity, Electromagnetism and the Nuclear forces are merely drawn from the considerations of the past.

We have the knowledge that all matter is quantized and it also moves at a constant speed. Now then that all actions can be mapped using these laws. This is in effect the reason to define a Unification theory containing a Unified force.

The Unified force is the force that causes particles to disintegrate. It is simply matter dispersing into empty space due to the fact that it is being acted to do so. The Universe is filled with matter which causes streams of these beams to act on the planets. The planets either are massive enough to deflect the incoming rays or they let them pass through; this is much like magnets and the nucleus also experiences this effect. Unified Gravity along with the Law of Disintegration prove that all forces act depending on the photons that are causing the movement.

The known "four forces" can be united if we use The Unification Theory to explain the Michelson Morley force experiment as stated earlier. The experiment which was supposed to show the changing speed of light was a huge failure but an even greater success in hindsight. As the Earth rotates it passes through space, supposedly objects were going to slow the speed of light down they could do so when the Earth rotated in the opposite direction as the beams of light.

The experiment revealed that in fact light did not slow down when interacting with the ether space. Light is not alterable in this way because of how it moves according to The Unification Theory. The Unification Theory states that all light is the force of motion caused by disintegration of particles. As soon as the light entered the apparatus it would have disintegrated and would have enough force to overcome any ether that was in it's way. Photons have infinite energy. When they disintegrate, if it is their turn, they will push anything else out of it's way at the speed of light.

The second thing to understand is the Lorentz transformation.

This theory applied to the experiment of Michelson and Morely historically. The theory was created to explain away the effect of the ether. The experiment actually shrunk when it was moving so that the light would have to go less distance. This proves that although theory's can be created to explain natural forces the forces themselves are unchanged.

The Unified force is the total cumulative action of particles as they are created. The big-bang was created with the same rules that the nucleus of an atom sticks together. Those rules are the rules of disintegration as have been laid out and which we will continue to talk about. One major thing that might still be misunderstood is the reason the big-bang particle exploded. For this it's important to remember that the big-bang particle doesn't actually exist, it is the outline of an infinite black void extending in all directions as a sphere, for this particle to experience zero force would in turn cause it to be acted on.

The laws of physics in Newton state that particles remain at rest unless acted on by an outside force, what that means is that an object with no mass can be put into motion without the use of force. Clearly we have that situation in terms of disintegration.

7. Predictions of Unification.

The leading prediction is that photons cause gravity as the principle of Unification. If we simply look into the solar sky and analyze the spectrum we can then take that and reproduce it. Using outer-space vehicles like the space station idea or any other zero-gravity climate we can then take this spectrum and reproduce it using laser machines, if those lasers are tuned accurately they should cause objects to accelerate.

This would finally prove how gravity acts on Earth. The particles from the sky physically act on the particles that make up our bodies; this in turn causes us to move toward the Earth. If in fact this is how it works we should be able to prove in outer-space that particles can be accelerated depending on what spectrum that is shone onto this as our example shows us.

Depending on what angle the beams are projected the object either moves up or down.



The dots represent astronauts in space onboard a space-shuttle or space-station. They perform experiments based on the calculations from Earth. The exact spectrum is reproduced in space and it is demonstrated that it can accelerate objects just as they would fall to Earth. This would prove that gravity can be caused by photon beams and that these beams are all around us acting in different ways depending on our relative position to Earth. The further away from Earth we travel the more we expose ourselves to counteracting beams in space. In fact the beams are pushing objects toward you in zero-gravity because you are creating the shield just like a planet.

The other prediction of Unification is that all matter can be found to consist of the particles of Unification. These particles are called

Universal Units and they travel at the speed of light. Using the most high-tech particle accelerators we should be able to prove that what we see as various quantum particles are really clumps of these particles we call Universal Units or Uni's for short. These Uni's are the only thing that is possible in a Universe governed by The Law of Disintegration.

The Law of Disintegration says that all matter arose from one particle and that this particle created other similar particles. These particles vary in size but at no time could we detect any other form of matter other than one of these governed units.

The Uni can be thought of as the fundamental piece of matter that is abundant throughout the Universe. Wherever one can imagine space we have to conclude that this space is occupied by at least one Uni and that it's space will have the energy equal to the amount of time that particle has been in existence.

It is thought that the Uni should be detectable at most levels of matter because the clumps of Unit's form atoms which are composed of smaller particles called quarks, these quarks are clumps of smaller or more compact Uni's.

The Universe is expanding all the time, it is known as the Universal cycle and right now we are in the expansion phase. Many people have talked about this or that; related to so called Dark matter the fundamental energies required to expand objects many observers required to be in the Universe.

Uni's can explain this energy by their disintegration. Uni's are tiny pieces of energy put off by the big-bang and they travel at the speed of light like photons. Uni's can be any size.

Using Uni's it will be possible to see how the Earth will look in the future and how life might be like.

It will be a Unified Understanding of the Universe.

8. Applying Unified Concepts.

Unified time is the main concept of Unification that few understand. For instance the current system is based on zones that change rotating on 24-hours. As such they don't fully cooperate with the Universe because the Earth is not getting 24 hours of rotation; and if we even did get 24 hours of rotation the Earth is not the only place we need perfect time. Using the process of the Universe and using the energy of photons to keep time it's clear that nothing in the Universe actually operates at 365 days or 24 hours in time. The Speed of light is described in this book as the disintegration of energy in a series. That is how time should work.

The photon can be used as the new unit of measure similar to meters and also time.

If time were based on the Unit of measure of the speed of light we could realize that in reality everybody is in one Unified time zone. Unified Time would be a base ten system that ran on indefinitely. Similar to the law of Disintegration it would be equivalent to the distance traveled by one particle traveling at the Speed of light.

This sounds as if we have to consider what happens to a photon and how can we measure that? The photons disintegrates into spheres which then disintegrate into more spheres. This process allows for the main photon to travel a distance constant at the speed of light.

Time can be measured by applying this to beams of light, if it takes one year for it to travel we call that a light year. If we however could base our time on one photon of light we could call that one Uni.

These Uni's are the best way to measure time and space because they actually map the Universe to any degree of approximation.

The Constancy of the velocity of light is the reason the theory has evolved. It explains how the Universe Originated. It originated by coming into being as an Infinite Sphere. The spheres creates more spheres until the Universe is formed. By looking closer at reality it is possible to prove that The Unification Theory is a particle theory.

For instances of this assumption we prove in order of simplicity, first that gravity does come from outer space in the form of gravitons, second that all matter is made up of photons, and thirdly that all photons disintegrate according to fundamental rules which are constant and have corresponding mathematical equations to govern

them.

Taking these three steps of reasoning Physics lends itself to be much more consistent and concrete. No longer do we have multiple dimensions or unanswered questions, the only thing left to figure out is how many steps of disintegration can we calculate and can we approximate past and or future events on our time scale?

The ultimate task is laid before you. I have done my work as a mathematician and as a physicist to set the framework of a new field of theories called Unified Theories.

9. Concepts for Space Exploration.

The best way to travel through space is to use the force of the Sun's energy focused on a sail like a craft that would push it to where it was going or more precisely to use gravitons as a source of propulsion. The process takes a long time to start and stop so that the energy would have to be contained and only hit the spots where it's directed so as not to waste the energy.

The great Space race is now focused on going to other planet's and their neighboring systems rather than just in space and around it. To do this it is theorized that the speed of light is the fastest we should try and travel. It's also theorized that going this speed is impossible for you to travel however you'll note that it's impossible to be open minded if you reject the question.

As you will see, going close to the speed of light may be possible in short bursts. We are still quite sluggish in space however, and can not handle more than a couple g's every hour or so without feeling sick, imagine what it would feel like going from 0-Light speed then stopping suddenly.

Using the concept of photons we can study in space radiation called gravitons. These gravitons can be utilized in space to direct a craft through space. Without visible light or harmful X and Beta-rays the space program could use the graviton to power it's light sail. Since it's available throughout the galaxy the most of the Universe it's needed to power objects in remote locations simply by using the properties of electromagnetism.

This version of the light sail system is similar to the futuristic yet to be invented material that moves using unseen forces and beams. The materials themselves reflect and absorb the beams to accelerate to light speed for a split second, the craft is then transported on it's journey.

The very technology that Unification presents for space travel is also the technology that would prove the theory of Unified gravity. By proving the theory of Unified gravity in whole the gravitons and the existence of a Universal particle exist.

Our many advances in science will bring the knowledge of

altered materials and Unified gravity. Acceleration could have been achieved using this method to various degrees of success.

Suppose the craft would go light speed for less than a half of a half of a second. This .25 of a second would allow the craft to travel 80,000 kilometers. If we then multiply this by 1 year- 10091520000000 is the number we get. Over 10 trillion km could be traveled in one year in this method.

If we use the number to multiply to 100 years we get, over – onethousand trillion kilometers. Clearly we could travel well over this number in one human life time but in space do we really have to consider one average life span as the normal life or would the body age too quickly or too slowly like in time travel machines.

The future of space is the brightest thing to think about because we have made only small, risk-based attempts to populate the area. The people have a right to space, so to speak and these ideas may bring that cause.

By developing the concepts presented within The Unification Theory using ideas such as nanotechnology we may develop these devices known as free energy machines or machines that act with out needing a charge. They are not free however and would require many advancements in production. The device consists of a sheet which has an ultimate density on one side but has a negative density on the other. The sheet would allow for movement by absorbing the free gravitons in outer-space and would accelerate conceivably to the speed at which gravitons move: the speed of light.

The concepts are under-developed but stem from the main theory of Unified gravity and the notion of Unified Particles. Since we now know that all particles are photons this will possibly lead to new manufacturing processes that could allows us to travel further than we have ever imagined, in space light years away.

So in summation the best theory I can offer on space travel is that current technology is based on classical, and semi non classical ideas which are out of sync with any fully Unified way, physics will first adopt more Unified approaches and in doing so will open the doors for practical futuristic materials and devices to guide us into the next era of Space Colonization.

10. Conclusion.

For those in my current readership asking the question “What question are we trying to answer” this chapter will explain that. There are many planes of thought that are related to this book, some of them are in no particular order are: many worlds theory, Theory of Everything, Grand Unifying Theory, and other similar works. The Unification Theory, this one in particular makes no mention of being a many worlds theory, Theory of everything or any of the others mentioned, does suggest however that these theories may stem from unifying physics.

The subtitle to this book is “From Physics to Physic.” This represents the fact that this book tries to take many concepts and make one concept work just as well. To study physic is making an effort to produce results that support the equality of matter.

Examples of physics in the plural form are, the duality of light quanta, instantaneous action at a distance: gravity, entanglement, uncertainty principle, and magnetism included, we also study physics using different laws, such as Newtonian, Relativistic, Atomic: high-energy and elemental; there are many.

Physics is a long list of disciplines each having their own unique way of being solved. Unified collections of these ideas would be called Unification and a Theory of Everything would be a Unification presented as a working model.

Now that there is a possible way to calculate the big-bang using mathematical equations we have untapped a new field of study. These theories of the Universe have to be used to correctly identify and map key components of the four forces of nature, Gravity, Electromagnetism and The Strong and Weak Nuclear.

What we are attempting - Unification of these four forces - is possible.

----- ~END

Appendix.

I. Acknowledgements

Over the years I thanked many people but for this book it is of much importance I thank my good friends, colleagues and those who have encouraged me to publish.

II. Index/Reading Guide

Quantum Theory Chapter 1
The Big Bang Chapter 2
Disintegration Chapter 3
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Unified Gravity Chapter 5
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Predictions Chapter 7
Unified Time Chapter 8
Light Speed Chapter 9

III. Bibliography.

Relativity, The Special and the General Theory.

By Albert Einstein.

-With Authorized Translation by Robert W.

Lawson.

Quantum Theory.

By David Bohm.

Curious and Interesting Mathematics.

By David Wells.

and a special thanks to the Lucasian Professor of Mathematics for his insight into a TOE, Unification Theory, and Singularities.

<http://www.hawking.org.uk/>