Barry's Post Quantum Cryptography version two

Part two

By

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BARRYS SCIENTIFIC BASED
PRODUCTS

Introduction

Welcome and Thank you for viewing this work ! I would like to begin by breaking this Scientific Work down into three phases. I am now in the second phase. I will now begin producing the keys used for this post quantum cryptography model. I have upgraded the data blocks now producing 16384 qubits. To make this work according to definition for a Post Quantum Cryptography system is it must use an well known algorithms. The Post Quantum keys used for this system will be unique and different. Quantum bits are created through a photon beam splitter as stated by Wikipedia. This technology will be used to create the keys to unlock the 16384 Quantum System. I will be creating a double tunnel protocol to insure that IP Packets can be safely encrypted and decrypted with the Quantum keys-Private. The amount of bits needed to produce a 16384 will be 524,288 bits / 32 producing 16384 Characters. I will be adding additional Data protection by masking the following 1 character =512. This means for every one character 512 are produced to mask the character being transmitted. I will also add a virtual system where 1 character = 1 Universe for a total of 512. The first phase was building the 16384 System. This work will be building the Quantum Keys. You may ask the standard system used or top of the line is 4096. I have built based on experience 16384 keys, Certificates, file systems and have installed 16384 Certificates on browsers hint PKCS12 certificates so this is a workable solution. This maybe a possible way to prevent Quantum attacks on Networks by blending in well known Algorithms with new technology producing keys to decrypt information in a safe and secure environment.

I have further updated and developed the Barry Infinity Equality Field Equation by showing the linear time line is expanding with the events
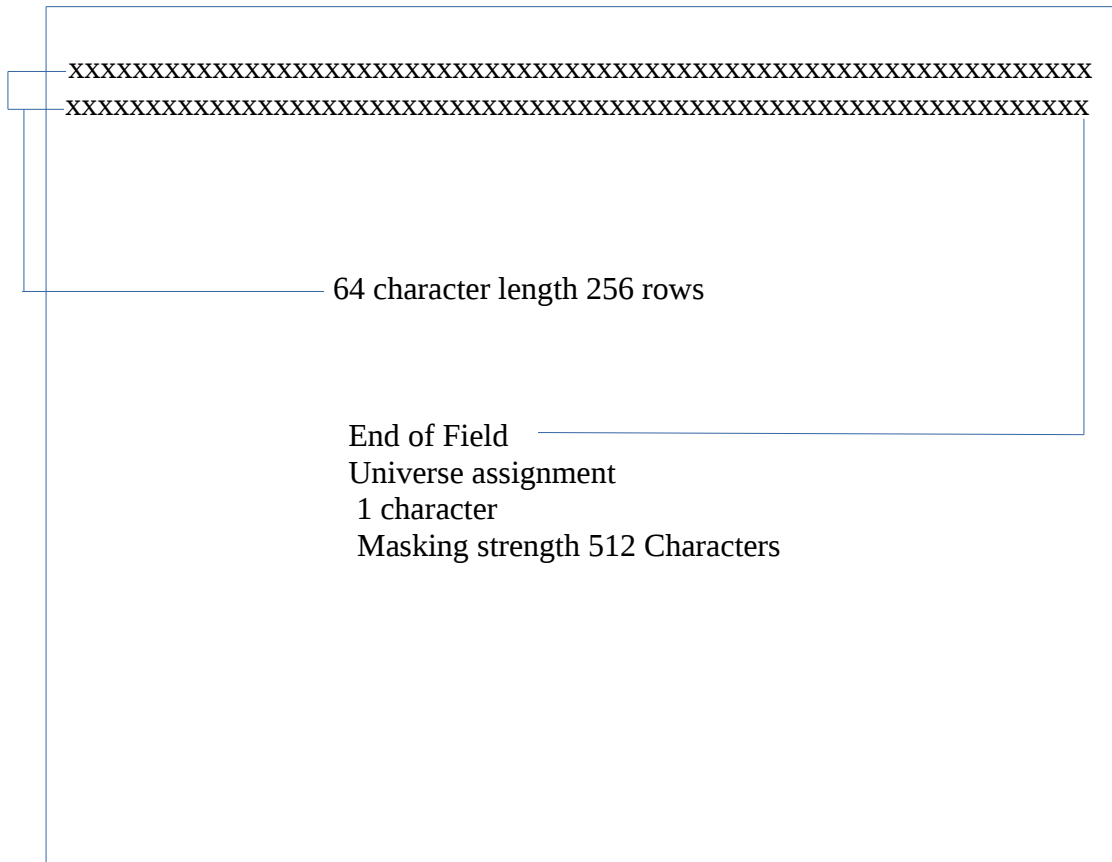
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Post Quantum Cryptography Specifications

The matrix for the 16384 date block is the following 16384/256 length producing 256 rows. One character assigned for a Universe

16384 Data Block

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

64 character length 256 rows

End of Field
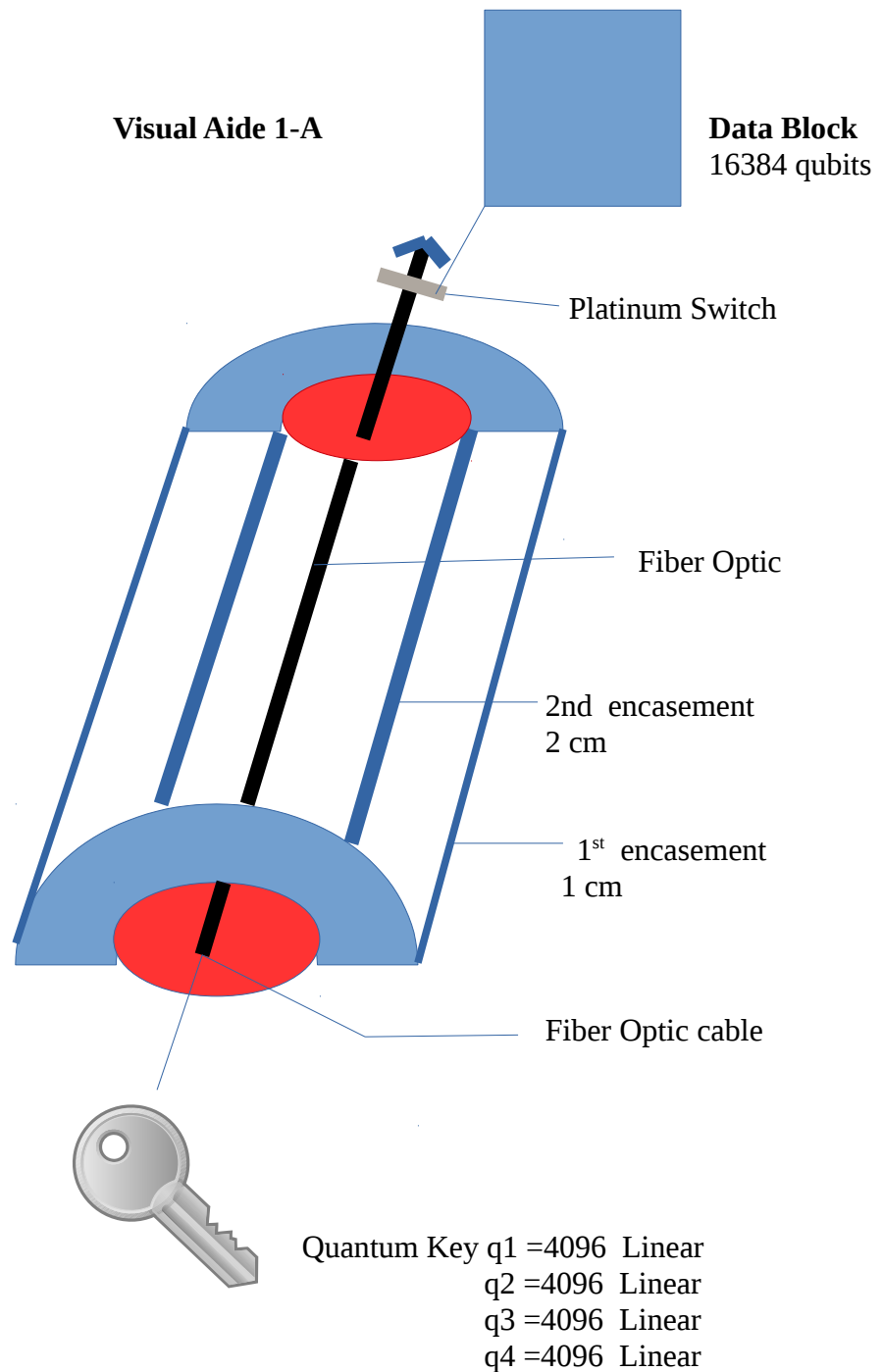Universe assignment
 1 character
 Masking strength 512 Characters

The 256 rows are assigned assigned a Universe character end of the 64 character field. This universe is accessed by the Quantum key private to be built in this copyright. The Quantum Key accesses this Universal Character in random fashion making it possible for the quantum key to utilize 256 rows of 64 characters. I will now turn my attention to the overall specs. This system produces 524288 / 32 producing 16384 Characters. This means 32 bits equals 1 character. If I want to mask one character it would be 512 per 1 character also this can be used for the Universal character being masked behind 512 character. This would make this type of system uncrackable when sending the block of data, I can produce 32 characters with this type of model. The probability of uncracking the mask is very slight or next to nothing. If you will notice, I have placed in the 64 character field one character for Universal assignment that produces 63 for real data transmitting. The Universal assignment or character assignment can be 1 through 256 numbers or a combination of alphabet and number A – Z; 27 -256. This provides a additional layer of security by having to find which universe this character is located. I have basically produced a two layered security approach by masking 1 character represented by 512 and having to located which Universe the Packet is located. This may seem to be overkill but given the status of servers world wide it should be considered in any future security model. I will now introduce the two layered tunnel system in the next chapter.
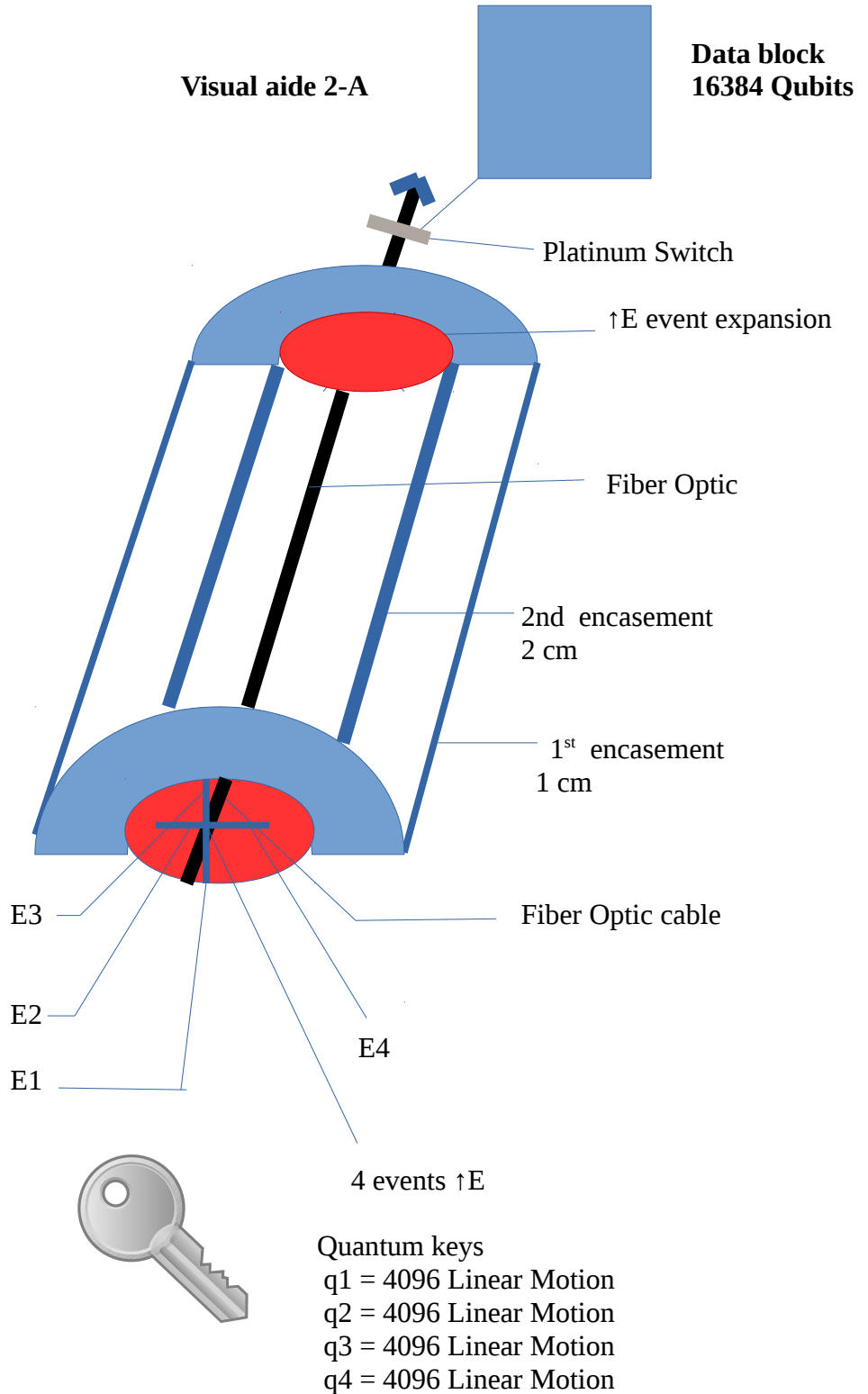
Chapter 2

Two tunnel layered system

I will now update the new two tunnel layered protocol to insure data is transmitted in the safest and secured way. I have used tunnel layered systems in IPV6 but I wanted to add the additional layer creating a double layered tunnel protocol. I have updated this to now include the quantum key and data block.

Visual Aide 1-A

Data Block
16384 qubits

Platinum Switch

Fiber Optic

2nd encasement
2 cm

1st encasement
1 cm

Fiber Optic cable

Quantum Key q1 =4096 Linear
q2 =4096 Linear
q3 =4096 Linear
q4 =4096 Linear

I now update the two tunnel layered protocol to insure data is transmitted in the safest and securest way. I have used tunnel layered systems in IPV6 but I wanted to add the additional layer creating a double layered tunnel and event expansion through dimensional tunnels. Please notice the new variable ↑E

Visual aide 2-A

**Data block
16384 Qubits**

Platinum Switch

↑E event expansion

Fiber Optic

2nd encasement
2 cm

1ˢᵗ encasement
1 cm

Fiber Optic cable

E3

E2

E1

E4

4 events ↑E

Quantum keys
q1 = 4096 Linear Motion
q2 = 4096 Linear Motion
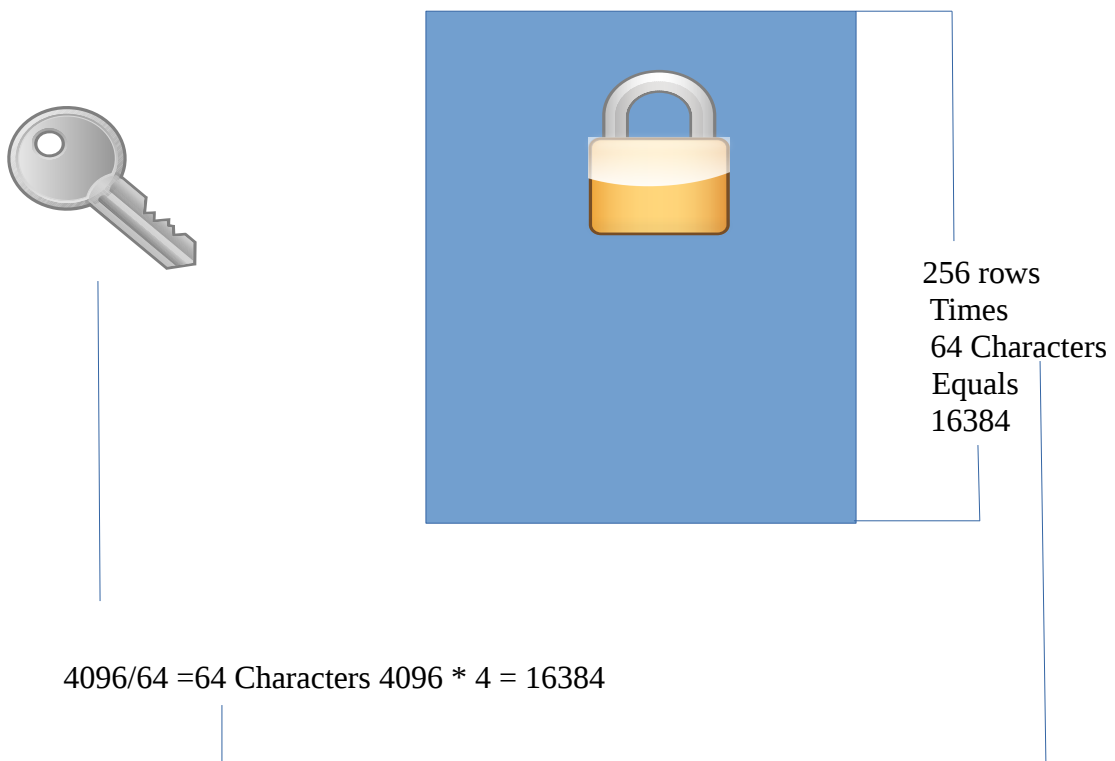q3 = 4096 Linear Motion
q4 = 4096 Linear Motion

The Fiber Optic Cable is encased twice to protect it from any hacker. This is the Hardware portion of this design. In phase two, This will be built upon adding the protocols to allow this to transmit data safely and securely. The communication protocol I will use is 16384 /512 equals 32. The reason for this is 4096 bits is transmitted using a communication protocol of 512 so this can used for 16384 and another reason if I take $2* 5^{th}$ power I can create a four dimensional space and counters the number 8 used in many science equations in constant form. The switch used is platinum metal because the melting point is 3200 degrees Fahrenheit and it is not so pricey to use this type of metal. The visual models have been updated 1A and 2A to include the Quantum keys and data blocks. I will now explore possible ways to use this to communicate by entangling the off and and on switch in dimensional space next chapter. I have also added data strings that are used for Event expansion this will be covered in the next chapter along with the new Equation named **Barry Infinity Equality Equation.** The equation basically expands on the **Barry cosmological dynamic binary position** written several years ago. I would like to comment on the equation. The g variable gravity binding places limitations on this equation. The equation can be used within a defined system but outside of the system that is non gravity dependent it would not work. The equation can be used for time and spatial expansion through binary strings of data in dimensional space and be used for Infinite loops. In COBOL, if you make a mistake by not placing limitations or conditions on goto coding you create Infinite loops within a system that has limitations same principle in this equation that I proposed.

Chapter 3

Quantum Keys

The process of creating Quantum keys is taking a photon beam splitter and using this device to produce the keys. This chapter covers the Post key creation after the photon beam of light creates the qubits.

The key is distributed into the double layered tunnel I created in Chapter two this allows for distribution of the key to goto a secure site. In evaluating this, I have decided that the key has four fields of qubits totalling 4096 each giving a total of 16384. This allows for Random distribution of the Private Keys to secured sites and it is accessed by using the 256 rows that are masked in Chapter one when we created the block of data. The key has to match the 64th Character in the field so the 16384 block of data that has 256 rows and has the 64th character in the field is used for validation and authentication. Please remember that this character is masked behind 512 characters. The key contains four sets 4096 qubits each totalling 16384 see visual below

256 rows
Times
64 Characters
Equals
16384

4096/64 =64 Characters 4096 * 4 = 16384

I have created four sets of 4096 qubits totalling 16384 qubits. If I take 16384/64 I have a total of 64 characters so they key equals the 16384 Block of data that is used to set up a matrix 256 rows with each having 64 characters in math **A equals B**. The key has 4 sets for random distribution so if One key is ever compromised there are still three others to use examples can be Employee theft. Spies, anything you can think of.

Chapter 4

Switch Entanglement

I will now create the Possibility of how the switch can be entangled. As discussed I will now create 16 possibility's using dimensional space. Please note this can be expanded as needed. This is only a example.

1St Dimension   1 = on   0   = off
   Entanglement   1 = off   0   = on

       4 chances

2nd dimension   1 = on 0= off {on}   0= off 1 = off
2 events 1 time line entangled   1 = off 0 = on {on}   0 = on 1 = off

       4 Chances

3rd dimension   1 = on 0 =off 1 = on {on}   0=off 1 =on 0=off
3 events 1 time line entangled 1= off 0 = on 1 = on {on}   0=on 1 = on 0 =on

       4 chances

4th dimension   1 =on 0=off 1 =on 0=off   0=off 1 =on 1=on 0=off
4 events 1 time line entangled   1=off 0=on 1=off 1 =on   0=on 1 =off 1=off 1 = on
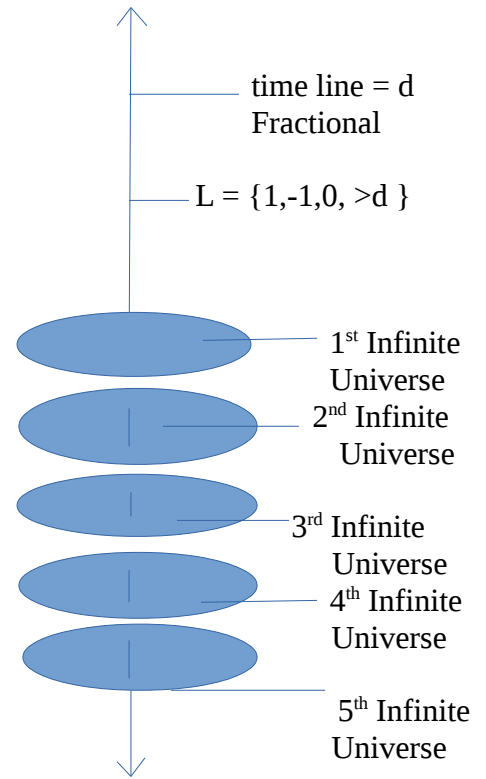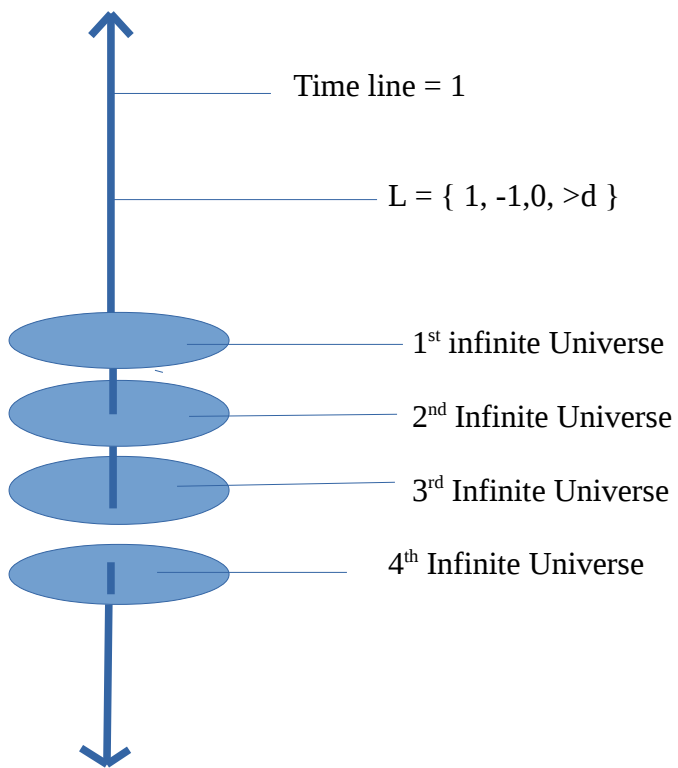
       4 Chances

As you can see each dimension has 4 events nice and symmetrical but as you can see as more events are added on one infinite time line it is not so symmetrical but asymmetrical each time line is expanding variables and possibility's. I have created a example so that those who insist on a constant state in science **have just been shown why they are just plain wrong.** The idea of 8∏ r2 /G just does not work here either because I have 16 not 8. I can bind the quantum or qubits to Gravity but as far as 8∏r2 should look more like 16∏r2 * linear space looks a little more workable as a example This is easily shown in the Martial Arts using Hyungs or Patterns executing circular blocks and straight punches different hands or events 1 time line expansion. The correct way to write this type of equation should be a

∞= (↑E) L $\Delta_{\prod r2}$ * d/g. This shows I am recognizing time and space as infinite within a subsystem that is binded by gravity recognizing both linear and Elliptic as Infinite not assigning a constant number but using subatomic particles that are expanding within our Universe and greater than the speed of light random variable. The ↑E shows in the above example that the number 8 or 16 is being expanded by a string of events through sub atomic particles that are binded by gravity within our Universe. In this equation, I use both linear and Elliptic space. The L represent Linear space time {1, -1, 0, > d}. The L variable recognizes 1 = positive space time, -1 = negative space time, 0 = null or empty space, d = fractional space time basically anything greater than the speed of light example 2nd dimensional space. In the Key creation, I created 4 sets of keys 4096 qubits each creating a subsystem that arrives at the total 16384. I have just provided a example of the L variable with a subsystem. I could have created 3 sets for the Quantum keys 8192 + 4096 + ($\sqrt{4096}$) 2nd power as another example of a subsystem that compresses Fractional and expands positive space time.

I have to add additional information because some people came out on my last approved copyright and asked about Singularity Stephen Hawkins general statement that a final point can be reached in a black hole. The problem with this is after research and remembering a little the 1st law of thermo dynamics must be stated here in general "Energy cannot be created nor destroyed but may take a different form" simple terminology. If you will view example 3-a I have included time lines that have arrows showing expansion with no finite point being reached. I have always believed in Intelligent Design-God and through out the bible it has indicated that God is above time and space and has very little meaning. I have attempted to balance the new equation that is limited in gravity binded systems with God's Intelligent Design. If you had a object in space example Black Hole and claimed it reaches a finite point of space time without accepting particles that are not binded to our Universe and have been tested beyond the speed of light and goes through matter as well than the logic would be viewed as questionable and not reasonable and cannot stand. This is another reason Why Einstein's theory of Relativity and Stephen Hawkins singularity concepts has no sound logic as they say in Computer Sciences. I have also seen that some Physicist or beginning to question Einstein and Hawkins theory's and hopefully in their secular world they can make more reasonable theory's. Please note I have updated the equation to show $\Delta\prod$ The triangle shows Change of Pie in dimensional space and also can be used in subatomic particles with Regular Particles as shown that 8 $\prod$ is constant with circular infinity where as $\Delta \prod$ shows represent Dynamic and Asymmetrical.

Example 3-A

Time line = 1

L = { 1, -1,0, >d }

1st infinite Universe

2nd Infinite Universe

3rd Infinite Universe

4th Infinite Universe

time line = d
Fractional

L = {1,-1,0, >d }

1st Infinite Universe

2nd Infinite Universe

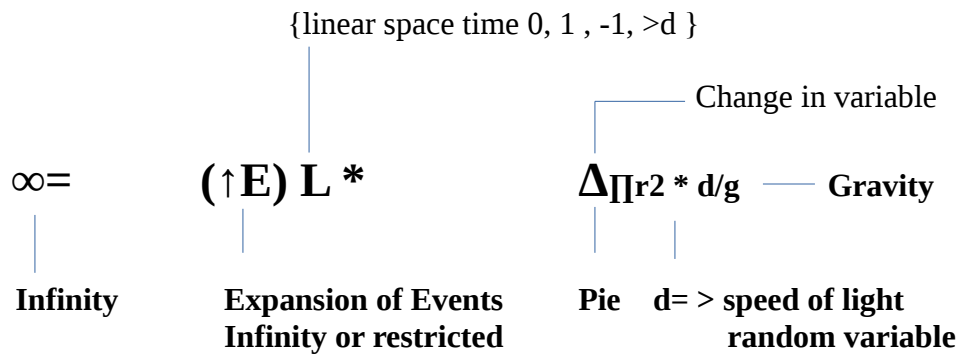3rd Infinite Universe

4th Infinite Universe

5th Infinite Universe

Chapter 5

Final Thoughts

I have completed the second step in building a Post cryptographic system by using a 524,288 bit system using 16384 characters as a block of data. The communication protocol is 512 bits well known. The keys are in sets of four sets of 4096 each totalling 16384. The method used 16384 blocks of data with 256 rows with 64 characters and it equals the 64 character field Quantum key. A=B

I have also created a double layered tunnel system that helps prevent system attacks also using a metal that has a melting point of 3200 degrees Fahrenheit. One of the key features here is expanding a time line of events in multiple dimensions this basically refutes constant form equations with assigned variables instead demonstrating dynamic energy that can either take the form of symmetry or asymmetry. I have also wrote a equation combining subatomic particles recognizing infinite time and space but is binded within our system. The Equation expands on the Barry Cosmological Dynamic Binary Position written several years ago.

Barry Infinity equality Equation

{linear space time 0, 1 , -1, >d }

Change in variable

$$\infty= \quad (\uparrow E)\ L\ *\quad \Delta_{\prod}r2\ *\ d/g \quad \text{—— Gravity}$$

Infinity   Expansion of Events   Pie   d= > speed of light
                  Infinity or restricted   random variable

$$\infty= (\uparrow E)\ L\ *\ \Delta_{\prod}r2\ *\ d/g$$

Infinite Time Line No final point (Expansion)

Barry Infinity equality Equation

$$\infty = (\uparrow E)L\, \Delta_{\prod}r2 * d/g$$

The equation shows subatomic particles are infinite through expansion of events using a string of dimensional events multiplied by elliptic and linear space also recognizing fractional space time binded to gravity within our Universe. I would like to also note subatomic particles have been tested and found to exceed the speed of light so because of this fractional space time must be recognized in any serious equation. The L variable recognizes 1 = positive space time, -1 = negative space time, 0 =null space, d= fractional space time example you divide 372000 and 186000 depending on your calculator you arrive at .5 < 1. The variable $\prod$ is a infinite symbol pie. The d = random variable anything greater than the speed of light example .5 = 372000, 1= 186000 . I have to add that this equation does not support Singularity reaching a final point in space because Energy cannot be created nor destroyed 1st law of Thermo Dynamics. I wanted to point out that if you notice in the Equation there is only expansion but no decay this can be updated if you wish to use a decay of Events by simple using exponentiation.

1). $\quad \infty = ((\uparrow E)2nd - (\uparrow E1))L\, \Delta_{\prod}r2 * d/g$

2). $\quad \infty = (4 - 2) * L * \Delta_{\prod}r2 * d/g$

This is only a example how this can be applied and used Expansion and decay in this scenario.

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11/24/2020

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