

Research Article

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For this first Volume, I will give \mathcal{A} pioneering tidabits of tidabits of tidabits of tidabits of k

Keywords: Logarithmic, Plagiarisms, Geometric, Binomial Probability and Principles of Science.

CAPVT I - Longevitvs De Collatz Conjectvre: Qvid Explicatio De? First up is the solution to various Mathematical Solutions, such as Collatz Conjecture and

For this first Volume, I will give you all 4 pioneering tidbits of knowledge that I have

For this first Volume, I will give you all 4 pioneering tidbits of knowledge that I have been given by the Lord, our God, to share to you all. It is with great honor that I bestow such knowledge upon you lot: call me wicked, crazy, mentally unfit, or incorrect to state such matters, but even if I had thought of such knowledge, it would not have been mine to share in the first place.
.

First up is the solution to various Mathematical Solutions, such as Collatz Conjecture and the Riemann Hypothesis: I will combine these two into one Solution later, so don't worry about losing an extra slot. Thus, the solution for Collatz Conjecture, as such, is such and, as such, this Chapter will regard Collatz Conjecture and my Solution to it, including, but not limited to, an explanatory, step-by-step solution/proof of Collatz Conjecture.:
the Riemann Hypothesis: I will combine these two into one Solution later, so don't worry about First up is the solution to various Mathematical Solutions, such as Collatz Conjecture

If 3x + 1 when odd & $\frac{1}{2}$ when even, then a loop will occur between 4, 2, & 1. Thus, since the graph is: $\frac{1}{2}$ when even, then even, then a loop will occur between 4, 2, θ 1. Thus, since the small is nen odd & $\frac{1}{2}$ w

It is random; take log & get Benford's Law.

pattern's arbitrary constant values to represent a quantized numerical dataset distribution & separate each value from 1-9
in their las line districts access to represent a filme the fallentine Uistamen: Table are hamed a in their leading digit into separate categories. Thus, the following Histogram Table can be made according to the Percentages
of Probabilities per Number of Leading Digit. X $\frac{1}{2}$ for random arbitrary constants, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{1}{2}$ Since Benford's Law can easily be assumed, take X, Y as graph approaches $Y = 1$, If $Y = 1$, $X \ne 1$, then the graph is logarithmic in scale with a linear regression. Thus, since X, Y are, in nature, a sequence of random arbitrary constants, take the 4, 2, 1 of Probabilities per Number of Leading Digit, X.

their leading digit into separate categories. Thus, the following Histogram Table can be made

So, therefore each value is represented by Benford's Law. Take the Law of Randomness, as well as the Law of Numbers, & apply it to a histogram dataset distribution table with their respective X, Y arbitrary constant values.

If $1 = 50\%$, then $2 = 17.5\%$, then $3 = 12.275\%$, & so forth to create a string of arbitrary constants used as points of reference for probability distribution. arbitrary constants used as points used as points \mathbf{r}

(due to $\frac{3x+1}{2}$ & $\frac{1}{2}$), then you receive the following equation to solve for X: If we take a percentage based on the percentage of the dataset distribution table x, r arbitrary constant values & convert them into double integrals
based on the percentage of probability of each Number of Leading Digit, depending on the Number convert them into double integrals based on the percentage of probability of each Number of If we take a percentage of the dataset distribution table X, Y arbitrary constant values & convert them into double integrals

$$
1 = \int \left(\int \left((1dx) \cdot (0.5dx) \right) \right) dy
$$

$$
= (C + x) * 0.5 dx y + C
$$

Thus, to solve for $X = 2$:

$$
2 = \int \left(\int \left((2dx) \cdot (0.175dx) \right) \right) dy
$$

$$
= (C + 2x) \cdot 0.175 dx y + C
$$

Thus, to solve for $X = 3$:

$$
3 = \int \left(\int \left((3dx) \cdot (0.1275dx) \right) \right) dy
$$

$$
= (C + 3x) \cdot 0.1275 dx y + C
$$

Thus, to solve for $X = 4$:

$$
4 = \int \left(\int ((4dx) \cdot (0.10375dx)) \right) dy
$$

= $(C + 4x) \cdot 0.10375 dx y + C$

Thus, to solve for $X = 5$:

$$
5 = \int \left(\int \left((5dx) \cdot (0.08775dx) \right) \right) dy
$$

$$
= (C + 5x) \cdot 0.08775 dx y + C
$$

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= (C + 5) ∙ 0.08775 + C

Thus, to solve for $X = 6$:

$$
6 = \int \left(\int ((6dx) \cdot (0.07625 dx)) \right) dy
$$

= $(C + 6x) \cdot 0.07625 dx y + C$

Thus, to solve for $X = 7$:

$$
7 = \int \left(\int ((7dx) \cdot (0.06425 dx)) \right) dy
$$

= (C + 7x) \cdot 0.06425 dx y + C

Thus, to solve for $X = 8$:

$$
8 = \int \left(\int \left((8dx) \cdot (0.0525dx) \right) \right) dy
$$

$$
= (C + 8x) \cdot 0.0525 dx y + C
$$

Thus, to solve for $X = 9$:

$$
9 = \int \left(\int \left((9dx) \cdot (0.0475dx) \right) \right) dy
$$

$$
= (C + 9x) \cdot 0.0475 dx y + C
$$

Since such a pattern emerges, calculate any X value for said Y arbitrary constant. Thus, Since such a pattern emerges, calculate any X value for said Y arbitrary constant. Thus, calculate for X-value on the Main Graph of each Number, N, used in conjunction with each X, Y value on the Collatz Conjecture Table/Graph respectful of the \vee e. selected Y-value and solve.

Thus, for 1: S_i before, we calculate the Y-value according to the T_i

$$
1 = (C+x) \cdot (0.5dxy + C)
$$

Since we used $X = Z$ before, we calculate the Y-value according to the "step" of the X value parallel to the Main Table/Graph used for $N = 1$ such that each graph is equal to the next step, S.

Thus, since $X = 0$ has a Y-value of Y = 1, and since you must take an odd number by $3x + 1$, then plug in X = 0, which is according to the Table/Graph, into x, and that is your Y - value. into the X value.

Thus, when $X = 1$, the first, and only, step, S , in the sequence, $Y = 1$. Thus, plug in $Y = S$ into the X value.

Thus, for 1:

$$
= (C + (1)) \cdot (0.5 \, dx \, y + C)
$$

$$
= 0.5 \, Cy \, dx + C^2 + 2 \, y \, dx + 4C
$$

Since we used X = 2 before, we calculate the Y-value according to the "step" of the Xvalue parallel to the Main Table/Graph used for $N = 1$ such that each graph is equal to the next step, S. Since we used $X = 2$ before, we calculate the Y-value according to the "step" of the X

Thus, since X = 0 has a Y-value of Y = 2, and since you must take an even number by $\frac{x}{2}$, then plug in X = 0, which is according to the Table/Graph, into x, and that is your Y-value. Thus, when X = 1, the next step, S, in the sequence, Y = 1. Thus, plug in Y = S into the X value. Thus, when \mathcal{L} is the sequence, S, in the sequence, S, in the sequence, S, in the sequence, S, in \mathcal{L}

Thus, for 2:

$$
2 = (C + 2x) \cdot (0.175dx + C)
$$

= (C + 2(1)) \cdot (0.175dx + C)
= 0.175y (C + 2) dx + C

Since we used $X = 3$ before, we calculate the Y-value according to the "step" of the Xvalue parallel to the Main Table/Graph used for $N = 1$ such that each graph is equal to the next step, S.

Thus, since $X = 0$ has a Y-value of $Y = 3$, and since you must take an even number by $3x + 1$, then plug in $X = 0$, which is according to the Table/Graph, into x, and that is your Y- value. Thus, when $X = 1$, the next step, S, in the sequence, $Y = 10$. Thus, plug in $Y = S$ into the X value.

Thus, for 3:

 $3 = (C + 3x) \cdot (0.1275 dx y + C)$ $= (C + 3(10)) \cdot (0.1275 \, dx \cdot y + C)$ $= 0.1275y$ (C + 30) dx

Since we used X = 4 before, we calculate the Y-value according to the "step" of the Xvalue parallel to the Main Table/Graph used for $N = 1$ such that each graph is equal to the next step, S. $s - 1$

Thus, since X = 0 has a Y-value of Y = 4, and since you must take an even number by $\frac{x}{2}$, then plug in X = 0, which is according to the Table/Graph, into x, and that is your Y-value. Thus, when $X = 1$, the next step, S, in the sequence, $Y = 2$. Thus, plug in Y = S into the X value. T_{S} = 1, the next step, S, in the sequence, T_{S}

Thus, for 4:

 $4 = (C + 4x) \cdot (0.10375 dx + C)$ $= (C + 4(2)) \cdot (0.10375 \, dx \cdot y + C)$ $= 0.10375y$ (C + 8) dx + C

Since we used $X = 5$ before, we calculate the Y-value according to the "step" of the Xvalue parallel to the Main Table/Graph used for N = 1 such that each graph is equal to the next step, S. $\,$

Thus, since $X = 0$ has a Y-value of $Y = 5$, and since you must take an even number by $3x + 1$, then plug in $X = 0$, which is according to the Table/Graph, into x, and that is your Y-value. Thus, when X = 1, the next step, S, in the sequence, Y = 16. Thus, plug in Y = S into the X value.

Thus, for 5:

 $5 = (C + 5x) \cdot (0.08775 \, dx \cdot y + C)$ $=$ $(C + 5(16)) \cdot (0.08775 \, dx \cdot y + C)$ $= 0.08775y$ (C + 80) dx $5 = (C + 5r) \cdot (0.08775 \, dy + C)$

Since we used $X = 6$ before, we calculate the Y-value according to the "step" of the Xvalue parallel to the Main Table/Graph used for $N = 1$ such that each graph is equal to the next step, S. $s - 1$

Thus, since X = 0 has a Y-value of Y = 6, and since you must take an even number by $\frac{x}{2}$, then plug in X = 0, which is according to the Table/Graph, into x, and that is your Y-value. Thus, when $X = 1$, the next step, S, in the sequence, Y = 3. Thus, plug in Y = S into the X value. T_{max} = 1, the next step, S, in the sequence, T_{max} = $2.$

Thus, for 6:

 $6 = (C + 6x) \cdot (0.07625 dxy + C)$ $= (C + 6(3)) \cdot (0.07625 \, dx \cdot y + C)$ $= 0.07625y$ (C + 18) dx

Since we used $X = 7$ before, we calculate the Y-value according to the "step" of the Xvalue parallel to the Main Table/Graph used for N = 1 such that each graph is equal to the next step, S.

Thus, since $X = 0$ has a Y-value of $Y = 7$, and since you must take an even number by $3x + 1$, then plug in $X = 0$, which is according to the Table/Graph, into x, and that is your Y-value. Thus, when X = 1, the next step, S, in the sequence, Y = 22. Thus, plug in Y = S into the X value.

Thus, for 7:

 $7 = (C + 7x) \cdot (0.06425 \, dx \cdot y + C)$ $= (C + 7(22)) \cdot (0.06425 \, dx \cdot y + C)$ $= 0.06425y$ (C + 154) $dx + C$ \overline{P} , \overline{P}

Since we used X = 8 before, we calculate the Y-value according to the "step" of the Xvalue parallel to the Main Table/Graph used for $N = 1$ such that each graph is equal to the next step, S.

 $S_{\rm eff}$ = 6 μ μ = 6 μ μ μ μ μ μ μ of the μ μ μ μ of the μ μ

Thus, since X = 0 has a Y-value of Y = 8, and since you must take an even number by $\frac{x}{2}$, then plug in X = 0, which is according to the Table/Graph, into x, and that is your Y-value. Thus, when X = 1, the next step, S, in the sequence, Y = 4. Thus, plug in Y = S into the X value. T_{S} = 1, the next step, S, in the sequence, T_{S}

value parallel to the Main Table/Graph used for N = 1 such that each graph is equal to the next

Thus, for 8:

 $8 = (C + 8x) \cdot (0.0525 dx y + C)$ $= (C + 8(4)) \cdot (0.0525 \, dx \cdot y + C)$ $= 0.0525y$ (C + 32) dx + C

Since we used $X = 9$ before, we calculate the Y-value according to the "step" of the Xvalue parallel to the Main Table/Graph used for $N = 1$ such that each graph is equal to the next step, S.

Thus, since $X = 0$ has a Y-value of $Y = 9$, and since you must take an even number by $3x + 1$, then plug in $X = 0$, which is according to the Table/Graph, into x, and that is your Y-value. Thus, when X = 1, the next step, S, in the sequence, Y = 28. Thus, plug in Y = S into the X value.

Thus, for 9:

 $9 = (C + 9x) \cdot (0.0475 dx + C)$ $= (C + 9(28)) \cdot (0.0475 dx y + C)$ $= 0.0475y$ (C + 252) $dx + C$ $\begin{pmatrix} 0 & \text{(} 0 & \$

Now, considering what we have done here is only of one singular step, S, continue to solve for each step according to the Main = (C + 5(16)) ∙ (0.08775 + C) Collatz Conjecture Table/Graph of each Number, N.

Nevertheless, we are left with y: plug in the y-value: plug in the y-value on the Main Graph of each Number, N, used in conjunction with each X, Y value on the Collatz Conjecture Table/Graph respectful of the current problematic solution selected x-value and solve.

Thus, for 1:

$$
1 = 0.5ydx + C^2 + 2ydx + 4C
$$

Plug in the designated number, $y = 1$, & plug into y respectfully. Then solve using F.O.I.L. Method & Simplify:

 $= 0.5((1) dx + C²) + 2(1) dx + 4C$ $= 0.5C2 + 4C + 2.5dx$

Thus, for 2:

 $2 = 0.175y$ (C + 2) $dx + C$

Plug in the designated number, $y = 1$, & plug into y respectfully. Then solve using F.O.I.L. Method & Simplify:

$$
= 0.175(1) (C + 2) dx + C
$$

= 0.175(C + 2) dx + C

Thus, for 3:

$$
3 = 0.1275y (C + 30) dx + C
$$

Plug in the designated number, $y = 1$, & plug into y respectfully. Then solve using F.O.I.L. Method & Simplify:

$$
= 0.1275(1) (C + 30) dx + C
$$

= 0.1275(C + 30) dx + C

Thus, for 4:

$$
4 = 0.10375y (C + 8) dx + C
$$

Plug in the designated number, $y = 1$, & plug into y respectfully. Then solve using F.O.I.L. Method & Simplify:

 $= 0.10375(1)$ (C + 8) $dx + C$ $= 0.10375(C + 8) dx + C$

Thus, for 5:

$$
5 = 0.08775y (C + 80) dx + C
$$

Plug in the designated number, $y = 1$, & plug into y respectfully. Then solve using F.O.I.L. Method & Simplify:

$$
= 0.08775(1) (C + 80) dx + C
$$

= 0.08775(C + 80) dx + C

Thus, for 6:

$$
6 = 0.07625y (C + 18) dx + C
$$

Plug in the designated number, $y = 1$, & plug into y respectfully. Then solve using F.O.I.L. Method & Simplify:

 $= 0.07625(1)$ (C + 18) $dx + C$ $= 0.07625(C + 18) dx + C$

Thus, for 7:

 $7 = 0.06425y$ (C + 154) $dx + C$

Plug in the designated number, $y = 1$, & plug into y respectfully. Then solve using F.O.I.L. Method & Simplify:

 $= 0.06425(1)$ (C + 154) $dx + C$ $= 0.06425(C + 154) dx + C$

Thus, for 8:

 $8 = 0.0525y$ (C + 32) $dx + C$

Plug in the designated number, $y = 1$, & plug into y respectfully. Then solve using F.O.I.L. Method & Simplify:

 $= 0.0525(1)$ (C + 32) $dx + C$ $= 0.0525(C + 32) dx + C$

Thus, for 9:

$$
9 = 0.0475y (C + 252) dx + C
$$

Plug in the designated number, $y = 1$, & plug into y respectfully. Then solve using F.O.I.L. Method & Simplify:

$$
= 0.0475(1) (C + 252) dx + C
$$

= 0.0475(C + 252) dx + C

Now, as such, we are left with C: When received only C as the main arbitrary constant, take the antiderivative of each equation respectively:

Thus, for 1:

$$
1 = \int (0.5C^2 + 4C + 2.5dx)
$$

= 0.1667x³ + 2x² + 2.5x + C

Thus, the graph for the following equation is the following:

Thus, for 2:

$$
2 = \int (0.175(C + 2) dx + C)
$$

= 0.5875x² + 0.35x + C

Thus, the graph for the following equation is the following:

Thus, for 3:

 $3 =$ J (0.1275(C + 30) $dx + C$) $= 0.56375x^2 + 3.825x$

Thus, the graph for the following equation is the following: \sim 0.583.83

Thus, for 4:

 $4 = \int (0.10375(C + 8) dx + C)$ $= 0.551875x^2 + 0.83x$

4 = ∫(0.10375(C + 8) + C) Thus, the graph for the following equation is the following:

Thus, for 5:

 $5 = \int (0.08775(C + 80) dx + C)$ $= 0.543875x^2 + 7.02x$

Thus, the graph for the following equation is the following: 5 = ∫(0.08775(C + 80) + C)

Thus, for 6:

 $6 = \int (0.07625(C + 18) dx + C)$ $= 0.538125x^2 + 1.3725x$

Thus, the graph for the following equation is the following:

Thus, for 7:

 \overline{c} = \overline{c} Thus, the graph for the following equation is the following:

Thus, for 8:

 $8 = \int (0.0525(C + 32) dx + C)$ $= 0.52625x^2 + 1.68x$

Thus, the graph for the following equation is the following:

Thus, for 9:

 $9 =$ J (0.0475(C + 252) $dx + C$) $= 0.52375x^2 + 11.97x + C$

= 0.52625 ² + 1.68 + C

 $\mathbf{S} = \mathbf{S}$ Thus, the graph for the following equation is the following:

every numerical step, geometrically, s_n, Binomial probability distribution of each value n, s, & each numerical step geometrical
Vilue S. Such that: Thus, we get a unique geometric graphical solution per number n. If each expression, valued by a specific number, s, then for value, s_n, such that:

 $\int_{x}^{x} p^{x} q^{n-x}$

 $p_{\text{max}} = \binom{n}{k} x^x e^{n-x}$

 $P_{\rm x}$ = (\boldsymbol{n}

&:

 $P_y = \begin{pmatrix} y \\ y \end{pmatrix}$ \boldsymbol{n} $\int y^{y}q^{n-y}$

Thus, since each binomial distribution is based on either x, y, then: (α either x, y, then:

$$
\binom{n}{x} = nCx = \frac{n!}{(n-x)! \, x!}
$$
\n
$$
\binom{n}{y} = nCy = \frac{n!}{(n-y)! \, y!}
$$

Thus, if each x, y value has n_s power, due to the quadratic relationship, take Quadratic probability distribution due to the nature of the powers of the Binomial that essentially create a newer power function of the probability distribution:
n x, y value has $n_{\scriptscriptstyle \varsigma}$ power, due to the quadratic relationship, take Quadratic probability distribut

$$
{n \choose x} = nCx = \frac{n!}{(n-x)! x!} = {n \choose y} = nCy = \frac{n!}{(n-y)! y!}
$$

$$
= \frac{n!}{(n-s_n)! s_n!} \cdot \left[\frac{p^x}{q^{-n+x}} + \frac{p^y}{q^{-n+y}} + \dots + \frac{p^{s_n}}{q^{-n+s_n}} + \frac{p^{n_s}}{q^{-n+n_s}} \right]
$$

Thus, as such, the following is true for the localized functions: \pm localized fun $\mathsf{ctions}\colon$

 \sim \sim \sim

−−

Px = (

 $P_{\rm x}$ = (\boldsymbol{n}

Thus, for x:

If:

$$
P_{x_x} = \left[\frac{n!}{(n-x)! \, x!} p^x q^{n-x}\right] \cdot {n \choose x} p^x q^{n-x} = \left[\left[\frac{n!}{(n-x)! \, x!} p^x q^{n-x}\right] \cdot \frac{n!}{(n-x)! \, x!} p^x q^{n-x}\right]
$$
\n
$$
n = 9
$$

 $\binom{n}{x} p^x q^{n-x} = \frac{n!}{(n-x)! \, x!} p^x q^{n-x}$

&:

Then:

$$
P_x = {4 \choose 1} (0.5)^1 (0.5)^{4-1} = \left[\left[\frac{9!}{(9-5)! \, 5!} (0.5)^5 (0.5)^{9-5} \right] \cdot \frac{9!}{(9-5)! \, 5!} (0.5)^5 (0.5)^{9-5} \right]
$$

 $x = 5$

Such that:

 $P(x = 1) = 0.0000018482$ $P(x < 1) = 0.0000085426$ $P(x \le 1) = 0.000010391$ $P(x > 1) = 0.0022640$

20 | Page &: &:

$$
P(x \ge 1) = 0.0022658
$$

Such that the graph of the overall probability distribution table is: Such that the graph of the overall probability distribution table is: Such that the graph of the overall probability distribution table is:

& So forth until you reach $n = 9$.

The reason as to why the skewed values for the probability distribution (histogram) table can and will be more than 1 in Uniform or Poisson to Random to Binomial) and regardless if they are combinative or dissolutionitive, generally, there will be the excess of one or more values that you must take into account. Therefore, when you have multiple distribution types combined/dissolved into one another, there will be a superposition of them together depending on the operations used to do total value is because of the solution in question: that is, when you add, subtract, multiply, divide, or, generally, combine/ dissolve in any way, two or more probability distribution types, not dependent on if they are the same type (i.e. Uniform to

Uniform or Poisson to Random to Binomial) and regardless if they are combinative or

so. Therefore, if there are more than 1 probability distribution type used, they can be more than 1 as well as negative in value.

Since we combined the methods of Binomial & Quadratic probability distribution, to include a solution to solve outside of the Sanding and the Bandom Poisson, Bernoulli, & Uniform probability distribution equations respect 4, 2, & 1 cycle, include the Random, Poisson, Bernoulli, & Uniform probability distribution equations respectively & combine ! them into one expression.

Thus, Poisson probability distribution is:

$$
P_x = \frac{\lambda^x e^{-\lambda}}{x!}
$$

Thus, Random probability distribution is:

$$
P_{x} = \left(\frac{1}{\sqrt{2\pi\sigma^2}}\right) \left(e^{\frac{\left[-(x-\mu)^2\right]}{2\sigma^2}}\right)
$$

Thus, Uniform probability distribution is: $\|(-\mu-\mu)\|_2$ p_2

$$
\mu_{\rm u} = \frac{a+b}{2}
$$

Thus, U-Quadratic probability distribution is: 2

$$
P\binom{\alpha}{\beta} = \alpha \cdot (x - \beta)^2
$$

Thus, P_{x_n} =:
\nP_{x_n} =
$$
\left[\left[\frac{n!}{(n-x)! x!} p^x q^{n-x} \right] \cdot \left[\frac{n!}{(n-x)! x!} p^x q^{n-x} \right] \right] + \left[\alpha \cdot (x - \beta)^2 \right] + \left[\frac{a+b}{2} \right] + \left[\frac{\lambda^x e^{-\lambda}}{x!} \right]
$$

\n $- \left[\left(\frac{1}{\sqrt{2\pi\sigma^2}} \right) \left(e^{\frac{\left[- (x-\mu)^2 \right]}{2\sigma^2}} \right) \right]$

Thus, if P_{x_n} is the following equation above, then take each distribution value relative to the specified numerical value, n, & calculate the probability of the next value to continue after, & instead, of the 4, 2, & 1 cycle.

the specified numerical value, n, & calculate the probability of the next value to continue **after,**

Thus, if: Thus, if:

$$
P_{x_n} = \left[\left[\frac{n!}{(n-x)! \, x!} p^x q^{n-x} \right] \left[\frac{n!}{(n-x)! \, x!} p^x q^{n-x} \right] \right] + \left[\alpha \cdot (x - \beta)^2 \right] + \left[\frac{a+b}{2} \right] + \left[\frac{\lambda^x e^{-\lambda}}{x!} \right]
$$

$$
- \left[\left(\frac{1}{\sqrt{2\pi\sigma^2}} \right) \left(e^{\frac{[-(x-\mu)^2]}{2\sigma^2}} \right) \right] \right]
$$

$$
n = 9
$$

$$
x = 5
$$

$$
p = 0.5
$$

$$
q = 0.5
$$

$$
a = 9
$$

$$
b = 0
$$

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 $\sigma_x^2 = \sqrt{\frac{\sum (x + x_n)^2}{n+1}}$ $n + 1$ $\sqrt{\frac{\sum (x + x)}{\sum (x + x)^2}}$

 $λ = 2$

 \mathcal{R} .

Thus, as such:

Again, the reason as to why the skewed values for the probability distribution (histogram) table can and will be more than 1 Uniform or Poisson to Random to Binomial) and regardless if they are combinative or dissolutionitive, generally, there will be the excess of one or more values that you must take into account. Therefore, when you have multiple distribution type combined/dissolved into one another, there will be a superposition of them together depending on the operations used to in total value is because of the solution in question: that is, when you add, subtract, multiply, divide, or, generally, combine/
... dissolve in any way, two or more probability distribution types, not dependent on if they are the same type (i.e. Uniform to do so.

e are more than 1 probability distribution types used, they can be more than 1 as well as account therefore, when you have multiple distribution type combined into one one one one one one one one one Therefore, if there are more than 1 probability distribution types used, they can be more than 1 as well as negative in value.

Thus, the following distribution table for the following Table of Distribution is as follows (for numerical numbers 1-9): Thus, the following distribution table for the following Table of Distribution is as follows ing distribution table for the r

Thus, with the data concluded, each value is not totaled together with each other values' relative function & power, ns. respectively, rather they are separate in nature, only dependent to the n values' numerical Thus, with the data concluded, each value is not totaled together with each other respectively, rather they are separate in nature, only dependent to the n values' numerical number, either respectful of either x or y on the geometric graph of the n

Thus, to calculate what value should go next after, & instead, of the 4, 2, & 1 cycle, take each n value & discriminate them with due respect to their x-value's probability distribution probability, calculated in their own formulation of arbitrary constants, & solve for the 2, or more, values needed to go after, & instead, of the 4, 2, & 1 cycle.

$T_{\text{p} \text{outless}}$, $\text{V} \text{u}$ be is: **CAPVT II - Riemann Hypothesis: Qvid De is?**

each the Diemann Hypothesis, the question that is brought un mest often is "How san it be so When it comes to the Riemann Hypothesis, the question that is brought up most often is, "How can it be solved?" Simply
stated it can be solved in the following way $\overline{\mathcal{O}}$ after needed to go after the 4, 2, 2, $\overline{\mathcal{O}}$ stated, it can be solved in the following way.

Essentially, the Riemann Hypothesis is based on two different factors: Primes & the Halves of each Riemann Function. With each Prime stated, we can have a function across a specified function, produced in this manner:

As such, there is a main function as the Riemann Zeta Function passes through the scope of the graphical function above. Because of this, we can take the specific value in-between each of the specified boundary conditions, $0 \le x \le 1$, such that we $\frac{1}{2}$ can take the half of each boundary condition continuously over an infinite timeframe such that we approach Real Numbers Rx . Because of this, we can easily take such for both sides, creating two different loops in-between $-1 \le x \le 0 \& 0 \le x \le 1$. This \mathbf{B}_{max} we can easily take such for both sides, creating two different loops in-between \mathbf{A}_{max} and \mathbf{A}_{max} −1 cmann 2018 1 unction can create a bogaritmine relation with n steps, thus creating a relatio
2ch functional Value of the Real Numbers Rx that are produced by the halving of the Craph ath functional value of the Neaf Numbers nx that are produced by the haiving of the Graphi Is because the Riemann zeta Punction can create a Logarithmic Felation with histeps, thus creating a relationship between in
Steps between each functional Value of the Real Numbers Rx that are produced by the halving of th is because the Riemann Zeta Function can create a Logarithmic relation with n Steps, thus creating a relationship between n

 $\frac{d}{dt}$ that due to the nature of the schematics produced by $\frac{d}{dt}$ its expected. Probability dictates that, due to the nature of the schematics produced by x, y, we can Probability dictates that, due to the nature of the schematics produced by x, y, we can take it as:

$$
z(s) = \frac{1}{2} \left(\frac{1}{1^s} + \frac{1}{2^s} + \frac{1}{3^s} + \frac{1}{4^s} + \frac{1}{5^s} + \dots + \frac{1}{n^s} \right)
$$

he shift change, the Riemann Zeta Function General Equation becomes: Thus, when you apply the shift change, the Riemann Zeta Function General Equation becomes: $\frac{1}{2}$ + $\frac{3}{2}$ + $\frac{1}{2}$ + $\frac{1$

$$
z(n,s) = \frac{1}{n^{s^n}} \left(\frac{1}{1^{s\cdot n}} + \frac{1}{2^{s\cdot n}} + \frac{1}{3^{s\cdot n}} + \frac{1}{4^{s\cdot n}} + \frac{1}{5^{s\cdot n}} + \dots + \frac{1}{n^{s\cdot n}z} \right)
$$

but to the deneral Equation becoming relative to the Halving of each function, it is the Number within the stated boundary
conditions & s being the relative expression produced by s in the Riemann Zeta Function. In certain **25 |** Page Due to the General Equation becoming relative to the Halving of each function, n is the Number within the stated boundary body, one might express that this function does not hold any weight due to the halving of the bodies themselves, yet what they fail to realize is that the halving is already done with $\frac{1}{n^{s^n}}$ in the beginning of the expression, relaying the fact that the value is minute & replaces the 1/2 with the curtailed expressive value n Real Number Step (as it approaches infinity). Thus, as there are an infinite number of Real Numbers within 0 & 1 alone, there are plenty within the total boundary conditions $-1 \le x \le 1$ as each value is presented as such. This not only solves the other half of the boundary conditions & solves the relative numerical analysis crisis as n approaches infinity. Thus, x will always be within -1 & 1 as n approaches infinity, yet y will always approach the magnitude of x as y depreciates in numerical quantitative magnification. As such, an example of the following might be: be: be: s relative numerical analysis as n approaches infinity. Thus, x will always be approaches infinity. Thus, x will always be approaches infinity. Thus, x will always be approaches in x will always be approaches in the relative expression produced by s in the Kiemann Zeta Function. \ddot{a}

$$
z(0.5,4) = \frac{1}{0.5^{4^{0.5}}} \left(\frac{1}{1^{4 \cdot 0.5}} + \frac{1}{2^{4 \cdot 0.5}} + \frac{1}{3^{4 \cdot 0.5}} + \frac{1}{4^{4 \cdot 0.5}} + \frac{1}{5^{4 \cdot 0.5}} + \ldots + \frac{1}{0.5^{4 \cdot 0.5}} \right)
$$

Because of the example given being in-between the boundary conditions $0 \le x \le 1$, the values produced in such creates relationship with each value within the boundary conditions such that it increases in value, thus creat P_{total} of the example given being in between the boundary conditions $\sigma = x - 1$, the value produced in such creates a relationship with each value within the boundary conditions such that it increases in value, thus cre ch value within the boundary conditions such that it increases in value, thus creating a ve
reen the n Real Number Value & s Value of the Riemann Zeta Eunction Ceneral Fouation. Th of functionality between the n Real Number Value & s Value of the Riemann Zeta Function General Equation. Thus, each value
will be a writing split and it will asingide with athen selections are summarized to the hourdance que value, yet it will coincide with other solutions as x approaches the boundary conditions. be a unique value, yet it will coincide with other solutions as x approaches the boundary will be a unique value, yet it will coincide with other solutions as x approaches the boundary conditions.

(Non-Levis) Zeta Nullae Cyphris ad x = ½: Riemann Hypothesis CAPVT III – (Non-Levis) Zeta Nullae Cyphris ad x = ½: Riemann Hypothesis IFTS au $x = 42$: Kiemann Hypothesis.

If x, y are the main values of any arbitrary constants, and $x=1/2$, then:

$$
z(\log(s)) = \frac{1}{1^s} + \frac{1}{2^s} + \frac{1}{3^s} + \dots + \frac{1}{n^s}
$$

Thus, if $x = \frac{1}{2}$, & all Non-Trivial Zeta Zeros are based on $x = \frac{1}{2}$ vertical axis, then: Thus, if $x = \frac{1}{2}$, θ_0 all Non-Trivial Zeta Zeros are based on $x = \frac{1}{2}$ vertical axis, then: |
| Zeta Zeros are b on-Trivial Zeta Zeros are b \cdot ros a \overline{a} e based of \mathbf{r} $\frac{1}{6}$, & all Non-Triv

<u>2</u>

³ ⁺ [⋯] ⁺

² vertical axis, then:

1 2 j.

 $\overline{}$

1

$$
s = x - (i^{2}) \pm \frac{1}{2}
$$

$$
z(\log(s)) = \frac{1}{1^{s}} + \frac{1}{2^{s}} + \frac{1}{3^{s}} + \dots + \frac{1}{n^{s}}
$$

Thus, if
$$
s = x - (i^2) \pm \frac{1}{2}
$$
, then:
\n
$$
z(\log(s)) = \frac{1}{1^{x - (i^2) \pm \frac{1}{2}}} + \frac{1}{2^{x - (i^2) \pm \frac{1}{2}}} + \frac{1}{3^{x - (i^2) \pm \frac{1}{2}}} + \dots + \frac{1}{n^{x - (i^2) \pm \frac{1}{2}}}
$$

similar as in Collatz Conjecture), then x is the premise of the new axis(es), redefining x as:
 $\frac{1}{4}$ use you plug in the designated expression for ${\rm s}$ into the equation in such a way such that ${\rm x}\texttt{-p}$ (po new axis(es), redefining x as: Thus, because you plug in the designated expression for s into the equation in such a way such that x=p (power of step, n,

$$
x = \frac{1}{2} \pm \frac{1}{4}
$$

reflued
mpt to so Due to the halving of the areas of which each axis can be located upon. This is contractually found due to each
halved due to their complex calculations when you attempt to solve for the next set of axes, which are, in par Due to the halving of the areas of which each axis can be located upon. This is contractually found due to nature of the solution to the problem. Due to the halving of the areas of which each axis can be located upon. This is contractually found due to each axis being halved due to their complex calculations when you attempt to solve for the next set of axes, which are, in part, due to the

 $\mathfrak{1}$, $\mathfrak{1}$ $\frac{\partial}{\partial t} x = \frac{1}{2} \pm \frac{1}{4}$, new values will converge into even smaller numbers of axes, with their corresponding v ralue will become even smaller in nature, to an infinitely small set of axes which can be calcula found due to each axis being halved due to the intervals calculations when \mathbf{r} calculations when \mathbf{r} $\frac{\partial}{\partial t}$ $\frac{\partial}{\partial t} = \frac{\partial}{\partial t} \frac{\partial}{\partial t}$, new values will converge into even smaller numbers of axes, with their correspoi In become even smaller in hattite, to an immittely small set of axes, which can be calculated in $\pm \frac{1}{4}$, new values will converge into even smaller numbers of axes, with their corresponding v ralue will become even smaller in nature, to an infinitely small set of axes which can be calcula Thus, since $x = \frac{1}{2} \pm \frac{1}{4}$, new values will converge into even smaller numbers of axes, with that each value will become even smaller in nature, to an infinitely small set of ax as follows: \overline{a} Thus, since $x - \frac{1}{2} \pm \frac{1}{4}$, new values will converge into even smaller numbers of axes, with their corresponding values, such that each value will become even smaller in nature, to an infinitely small set of axes which can be calculated in the formula

$$
x = \frac{1}{n} \pm \frac{1}{\frac{n}{2}}
$$

n, creates new halves, and allows the creation of the other side to be primed & diver of the other $:$ $\ddot{}$ This, in turn, creates new halves, and allows the creation of the other side to be primed & This, in turn, creates new halves, and allows the creation of the other side to be primed & can be thus formulated. This, in turn, creates new halves, and allows the creation of the other side to be primed & diverged as a new form of conjugation

An example of this solution is as follows:

$$
s = 2 - (2i^2) \pm \frac{1}{2}
$$

$$
z(\log(s)) = \frac{1}{1^{2 - (2i^2) \pm \frac{1}{2}}} + \frac{1}{2^{2 - (2i^2) \pm \frac{1}{2}}} + \frac{1}{3^{2 - (2i^2) \pm \frac{1}{2}}} + \dots + \frac{1}{10^{2 - (2i^2) \pm \frac{1}{2}}} + \frac{1}{n^{2 - (2i^2) \pm \frac{1}{2}}}
$$

Positives:

$$
\frac{1}{1^{s+}} = \frac{1}{1^{2-(2i^2)+\frac{1}{2}}} = 1
$$

$$
\frac{1}{2^{s+}} = \frac{1}{2^{2-(2i^2)+\frac{1}{2}}} = \frac{1}{8\sqrt{2}}
$$

$$
\frac{1}{3^{s+}} = \frac{1}{3^{2-(2i^2)+\frac{1}{2}}} = \frac{1}{27\sqrt{3}}
$$

$$
\frac{1}{4^{s+}} = \frac{1}{4^{2-(2i^2)+\frac{1}{2}}} = \frac{1}{128}
$$

$$
\frac{1}{5^{s+}} = \frac{1}{5^{2-(2i^2)+\frac{1}{2}}} = \frac{1}{125\sqrt{5}}
$$

Volume

$$
\frac{1}{6^{s+}} = \frac{1}{6^{2-(2i^2)+\frac{1}{2}}} = \frac{1}{216\sqrt{6}}
$$

$$
\frac{1}{7^{s+}} = \frac{1}{7^{2-(2i^2)+\frac{1}{2}}} = \frac{1}{343\sqrt{7}}
$$

$$
\frac{1}{8^{s+}} = \frac{1}{8^{2-(2i^2)+\frac{1}{2}}} = \frac{1}{1,024\sqrt{2}}
$$

$$
\frac{1}{9^{s+}} = \frac{1}{9^{2-(2i^2)+\frac{1}{2}}} = \frac{1}{2,187}
$$

$$
\frac{1}{10^{s+}} = \frac{1}{10^{2-(2i^2)+\frac{1}{2}}} = \frac{1}{1,000\sqrt{10}}
$$

52−(22)+

2

⁼ ¹ 125√5

Negatives:

$$
\frac{1}{1^{s-}} = \frac{1}{1^{2-(2i^2)-\frac{1}{2}}} = 1
$$

$$
\frac{1}{2^{s-}} = \frac{1}{2^{2-(2i^2)-\frac{1}{2}}} = \frac{1}{4\sqrt{2}}
$$

$$
\frac{1}{3^{s-}} = \frac{1}{3^{2-(2i^2)-\frac{1}{2}}} = \frac{1}{9\sqrt{3}}
$$

$$
\frac{1}{4^{s-}} = \frac{1}{4^{2-(2i^2)-\frac{1}{2}}} = \frac{1}{32}
$$

$$
\frac{1}{5^{s-}} = \frac{1}{5^{2-(2i^2)-\frac{1}{2}}} = \frac{1}{25\sqrt{5}}
$$

$$
\frac{1}{6^{s-}} = \frac{1}{6^{2-(2i^2)-\frac{1}{2}}} = \frac{1}{36\sqrt{6}}
$$

$$
\frac{1}{7^{s-}} = \frac{1}{7^{2-(2i^2)-\frac{1}{2}}} = \frac{1}{49\sqrt{7}}
$$

$$
\frac{1}{8^{s-}} = \frac{1}{8^{2-(2i^2)-\frac{1}{2}}} = \frac{1}{128\sqrt{2}}
$$

$$
\frac{1}{9^{s-}} = \frac{1}{9^{2-(2i^2)-\frac{1}{2}}} = \frac{1}{243}
$$

$$
\frac{1}{10^{s-}} = \frac{1}{10^{2-(2i^2)-\frac{1}{2}}} = \frac{1}{100\sqrt{10}}
$$

Thus, each prime, and double primes (for positives only), is an exact number confirming the existence of specific prime geometric sequential calculations that cultivates the values as the new values of the next set of axes, $x=\frac{1}{2}+\frac{1}{2}$, and so forth as $x = \frac{1}{n} \pm \frac{1}{\frac{n}{2}}$, confirming that it is, indeed, converging. Thus, each prime, and double primes (for positives only), is an exact number confirming the existence of specific prime values of the next set of axes, $x = \frac{1}{2} \pm \frac{1}{4}$, $x = \frac{1}{4}$, $\frac{3}{4} \pm \frac{1}{8}$ $,$ and so forth as $,$ geometric sequential calculations \cdot , confirming

Thus, it is now stated that there is an infinite series of steps, and their relative axis(es), and, as such, a new formulation of such. .
Iow stated that there is an infinite series of steps, and their relative axis(es), and, as su

CAPVT IV - Coniugatio Collatz Coniectvrae Qum Riemann Hypothesis

With the introductions away for each respective topic, let us begin to state the similarities between Collatz Conjecture & the Riemann Hypothesis. α such as such.

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This will be a minor explanation, yet it will go into detail about the pairing of the two. The description is as follows: Since Collatz Conjecture's 4, 2, & 1 Cycle is now broken by the Probabilities, which are de a filmor explanation, yet it will go into detail about the pairing of the two. The description is as it

Since Collatz Conjecture's 4, 2, & 1 Cycle is now broken by the Probabilities, which are derived from their respective equation for each starting numeral, either between 1-9, or their respective fifth's N-step starting numeral, and thus combining the for each starting numeral, either between 1-9, or their respective fifth's N-step starting numeral, following explanation provided by Chapter II, the Riemann Hypothesis can be used to create a separation between two following explanation provided by Chapter II, the Riemann Hypothesis can be used to create a separation be different divergent states for each probability for each respective numeric value N. Probabilities are now defined, by different divergent states for each probability for each respective numeric value N. Probabilities are combining the two solutions together, as having both the distinctive characteristics of the Riemann Zeta Function, the newer one being posted, & the Probabilities equation provided in Chapter I. Thus, the following function, the now-called Collatz-Riemann Zeta Probabilities Function, is the following below: Zeta Probabilities Function, is the following below:

$$
z_{P_{x_n}}(n,s,p,q,x)
$$

$$
= \left[\left[\frac{n!}{(n-x)! \, x!} p^x q^{n-x} \right] \left[\frac{n!}{(n-x)! \, x!} p^x q^{n-x} \right] \right] + \left[\alpha \cdot (x-\beta)^2 \right] + \left[\frac{\alpha+b}{2} \right]
$$

+
$$
\left[\frac{\lambda^x e^{-\lambda}}{x!} \right] - \left[\left(\frac{1}{\sqrt{2\pi\sigma^2}} \right) \left(e^{\frac{[-(x-\mu)^2]}{2\sigma^2}} \right) \right] \right]
$$

+
$$
\left[\frac{1}{n^{s^n}} \left(\frac{1}{1^{s^n}} + \frac{1}{2^{s^n}} + \frac{1}{3^{s^n}} + \frac{1}{4^{s^n}} + \frac{1}{5^{s^n}} + \dots + \frac{1}{n^{s^n} z} \right) \right]
$$

Thus, the following can be stated for the newly formed function: the Collatz-Riemann Thus, the following can be stated for the newly formed function: the Collatz-Riemann Zeta Probabilities Function can allow for not only the formulation of space-time gravitational special/general relativity functions & patterns as it can help follow the newly-formed equation in solving the hard-to-solve Space-Time-Continuum Problem with regards to Gravitational Fields within high and low frequencies, wavelengths, & time-dilation properties that are problematic in topics such as Astrophysics with δ low frequencies, wavelengths, δ time-dilation problematic intervals that are problema & Rocket Science.

using current Mathematical Theory & Problematic/Non-Problematic Physical Theories, Laws, & Relativity. Thus, there are many applications for this equation, as one was stated before, yet one remains still, which is, of course, the all-feared & all-formulated God equation: as you may or may not see by now, I am attempting to solve the God Equation by

Every strive, which is, or contains all-formulated $\sum_{i=1}^{n}$ **CAPVT V – Fvndamentvm De Devs Aeqvationis**

Thus, to take the 4th step in this problem to solve the God Equation, we must look to Special Relativity, specifically Relativistic Kinematics & Invariance:

Fine Kinematics due to the Kelationship per unnellsion α between each unnellsion, provided that they have the specifical relationship to each other's invariance as each variable is given such that v, t is the basic for To solve such, we must understand that the Relativistic Kinematics & Invariance is used to solve the key factor of Space-Time Kinematics due to the Relationship per dimension & between each dimension, provided that they have the specified travel, with due respect to the origin such that the kinematics provided allow for the formulation of such travel. To even begin at the 6th Dimension, more or less at the 7th, more or less at even the 5th Dimension, we must understand that there are three key fundamentals to each dimension:

• Time travels differently throughout each Dimension, yet is consistent with each moving motion through Kinematics, hence the Invariance in the Relativistic Relationships within each Dimension & their similarities & differences respectful for each other Dimension.

• Periodically, each Dimension can be traveled to and from as with the creation, & manipulation, of time itself & space matter can be formulated to create a better, more cohesive, and much more comprehensive explanation to the, "Golden Ticket," of Time Travel & Travel Through Wormholes which, in Theory, are separate theories, one being born within a Dimension while the latter allows for Interdimensional Travel, yet in practicality, with the new formulation of Physical Instrumentation & Practical Theories, each manipulated Time Space allows for *both* Interdimensional Travel & Travel within a Dimension respectful of which application being utilized.

• Conclusively, each set datapoint of travel, with respect to its Relativistic Invariance, is properly comprised of several more sub datapoints and, as such, the creation of new forms of travel, especially those of each Dimension themselves, creates a whole new Paradox of Time itself: There is no such thing as Time in Inter-dimensional & Intra-dimensional, and there is one last thing itself. Extra-dimensional Travel is also possible, too. We can, "escape," this world & go to another one if we so choose to, we would need to create a device that would allow us to complete such a travel between different Realities.

Journal of Theoretical Physics & Mathematics Research *Copyright © Matthew Lewis Gonzalez* **choose to, we would need to create a device that would allow us to complete such**

With that being said, the newest formulation of Relativistic Kinematics & Invariance is "The coordinate differentials transform into a more contravariant relationship within, and with respect to, each dimension. The following formula that best explains this is:

choose to, we would need to create a device that would allow us to complete such

$$
dX^{\mu} = A^{\mu}{}_{y} dX^{y}
$$

 $\overline{}$

Thus, the squared length of the differential of the four-vector dX^y constructed using λ is a invariant and λ is negative that we get a is negative that we get λ is negative that λ is a is a isometry that λ is a isometry ired length of the differential of the four-vector $a\lambda^\gamma$ constructed using

$$
dX^{2} = dX^{y}dX_{\mu} = \eta_{\mu y} dX^{\mu} dX^{y} = -(cdt)^{2} + (dx)^{2} + (dy)^{2} + (dz)^{2}
$$

Is an invariant. Notice that when the line element dX^2 is negative that $\sqrt{-dX^2}$ is a differential of proper time according to the space-time continuum of the positron-electron relationship within a certain quantifiable yet observable quantum space of the universe, while when dX^2 is positive, $\sqrt{dX^2}$ is differential of the proper distance between two or more truncations of different places within two or more space-time continuums, whether they be at different speeds, velocities, accelerations, or
different places within two or more space-time continuums, whether they be at different speeds, different dimensions (planes-of-existences). that when the line element dX^2 is negative that $\sqrt{-dX^2}$ is a differential of proper time differential of proper time according to the space-time $\gamma - a\lambda^2$ is a undetendance property. s within two or more space-time continuums, whether they be at unierent speeus, velocitie:
nsions (planes-of-evistences) truncations of different places within two or more space-time continuums, whether they be at . Notice that when the line element dX^2 is negative that $\sqrt{-d}X^2$ is a differential of pro

The 4-velocity U^{μ} has an invariant form, the following expression: $\frac{1}{2}$ original form, the following expression: ty U^{μ} has an invariant form, the following expression:

$$
U^2 = \eta_{\mu\nu} U^{\nu} U^{\mu} = -c^2 ,
$$

 $W_{\rm eff}$ means all velocity four-vectors have a magnitude of c. This is an expression of the this is an expression of the theorem is an expression of the theorem is an expression of the theorem is an expression of the the

Which means all velocity four-vectors have a magnitude of c. This is an expression of the fact that there is no such thing as being at coordinate rest regarding dimensionality with regards to orthogonality within a plane, especially if that plane is differentiated with various punctuations of values of matrices within the full plane-of-existence: in relativity, at the least, you are always moving forward through time. Differentiating the above equation by τ produces: $\frac{1}{2}$ for the above equation by $\frac{1}{2}$ through time. Differentiating the above equation by $\frac{1}{2}$ for the above equation by $\frac{1}{2}$ fact that there is no such that there is no such that there is no such that there is regarded to a such that $\frac{1}{2}$ moving forward through time. Differentiating the above equation by produces:

$$
2\eta_{\mu\nu}A^{\mu}U^{\nu}=0.
$$

So, in special relativity, the acceleration four-vector and the velocity four-vector are orthogonal." Wikipedia, Wikimedia,
Sourced an Das Eth 2022 Saasial Palativity, Paviad Sourced on Dec. 5th, 2023. Special Relativity. *Revised*. So in special relativity, the acceleration four-vector and the velocity four-vector are ty, the acceleration four-vector and the velocity four-vector are orthogonal." Wi Wikipedia, Wikimedia, Sourced on Dec. 5th, 2023. Special Relativity. *Revised.*

Now, keep in mind that these formulae are based in the newer Dimensions, the 6th & the 7th, v & t respectfully. Each Reality is formulated based on the following Equation, at least what we have of so far, as well as the newest $8th$ Dimension, y, & the newest Dimensions, the 9th, z, & the $10th$, μ : $N_{\rm eff}$ in mind that the separate are based in the newer Dimensions, the ϵ nind that these formulae are based in the newer Dimensions, the 6th & the 7th, v & t respectfull_.

$$
F(n, s, p, q, x, y, z, v, t, \underline{\mathbf{u}})
$$
\n
$$
= \left[\left[\left[\frac{n!}{(n-x)! \, x!} p^x q^{n-x} \right] \left[\frac{n!}{(n-x)! \, x!} p^x q^{n-x} \right] \right] + \left[\alpha \cdot (x - \beta)^2 \right] + \left[\frac{a+b}{2} \right] + \left[\frac{\lambda^x e^{-\lambda}}{x!} \right] - \left[\left(\frac{1}{\sqrt{2\pi\sigma^2}} \right) \left(e^{\frac{[-(x-\mu)^2]}{2\sigma^2}} \right) \right] \right] + \left[\frac{1}{n^{s^n}} \left(\frac{1}{1^{s^n}} + \frac{1}{2^{s^n}} + \frac{1}{3^{s^n}} + \frac{1}{4^{s^n}} + \frac{1}{5^{s^n}} + \dots + \frac{1}{n^{s^n} z} \right) \right] + \left[\left[-(cdt)^2 + (dx)^2 + (dy)^2 + (dz)^2 \right] - n_{t_{v,\mu}} U^v U^{\mu} \right]
$$

e have the following function, we have the following to add to it, the final, and most importa:
ion, g, & the 12th Dimension, R, & the 13th Dimension, p, & the 14th Dimension, σ, & the 15th Di ave the following function, we have the following to add to it, the final, and m

, g, & the 12th Dimension, R, & the 13th Dimension, ρ , & the 14th Dimension, σ , ζ

e 8 the 17th Dimension ζ due to th $16th$ Dimension, β , & the $12th$ Dimension, γ , due to the Gravitational Pull from each Dimension respectively & within Each
Dimension respectively Thus you get: $\mathbf x$, you get: we have the following to the following to $\mathbf x$ N_i that we have the following the following the following the following the final, Now that we have the following function, we have the following to add to it, the final, and most important dimension, the $11th$ Dimension, g, & the $12th$ Dimension, R, & the $13th$ Dimension, ρ, & the $14th$ Dimension, σ, & the $15th$ Dimension, α , & the 15th Dimension, β , α , the $17th$ Dimension, Dimension respectively. Thus, you get:

 $F(n, s, p, q, x, y, z, v, t, \mu, g, R, \rho, \sigma, \alpha, \beta, \gamma)$

$$
= \left\{\left[\left[\frac{n!}{(n-x)! x!} p^x q^{n-x}\right] \left[\frac{n!}{(n-x)! x!} p^x q^{n-x}\right]\right] + \left[\alpha \cdot (x-\beta)^2\right] + \left[\frac{a+b}{2}\right] \right\}
$$

+
$$
\left[\frac{\lambda^x e^{-\lambda}}{x!}\right] - \left[\left(\frac{1}{\sqrt{2\pi\sigma^2}}\right) \left(e^{\frac{[-(x-\mu)^2]}{2\sigma^2}}\right)\right]\right]
$$

+
$$
\left[\frac{1}{n^{s^n}} \left(\frac{1}{1^{s^n}} + \frac{1}{2^{s^n}} + \frac{1}{3^{s^n}} + \frac{1}{4^{s^n}} + \frac{1}{5^{s^n}} + \dots + \frac{1}{n^{s^n} z}\right)\right]
$$

+
$$
\left[\left[-(cdt)^2 + (dx)^2 + (dy)^2 + (dz)^2\right] - n_{i_{\nu,\mu}} U^{\nu} U^{\mu}\right]
$$

+
$$
\left[\int d^4x \sqrt{-g} \left(\frac{R}{16\pi G} + c_1(\mu)R^2 + c_2(\mu)R_{\mu\nu}R^{\mu\nu}\right) + c_3(\mu)R_{\mu\nu\rho\sigma}R^{\mu\nu\rho\sigma}\right)\int d^4x \sqrt{-g} \left[\alpha R \ln\left(\frac{\dots}{\mu^2}\right)R + \beta R_{\mu\nu} \ln\left(\frac{\dots}{\mu^2}\right)R^{\mu\nu}\right]
$$

+
$$
\gamma R_{\mu\nu\rho\sigma} \ln\left(\frac{\dots}{\mu^2}\right)R^{\mu\nu\rho\sigma}\right]
$$

Thus, that is the final formula for the newly-formulated, most fundamental, verifiable version of the God Equation [1-7].

References

- version of the God Equation of the God Equation of the God Equation. In the God Equation of the God Equation. 1. [Izadi, F. \(2021\). Complete proof of the collatz conjecture.](https://arxiv.org/pdf/2101.06107) *arXiv preprint arXiv:2101.06107.*
- 2. [Riemann, B. \(1859\). On the number of prime numbers under a given size.](https://www.emis.de/classics/Riemann/Zeta.tex) *Complete Mathematical Works and Scientific Papers, 2* [\(145-155\), 2.](https://www.emis.de/classics/Riemann/Zeta.tex)
- 3. Mathews, W. N. (2020). Seven formulations of the kinematics of special relativity. *American Journal of Physics, 88*(4), *Revised.* [269-278.](https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=Mathews%2C+W.+N.+%282020%29.+Seven+formulations+of+the+kinematics+of+special+relativity.+American+Journal+of+Physics%2C+88%284%29%2C+269%E2%80%93278&btnG=)
- 4. Qian, S. (2020). *[Essentials of quantum mechanics and relativity](https://www.worldscientific.com/doi/pdf/10.1142/9789811221194_0001)*. World Scientific.
- 5. [Karatsuba, A. A. \(1992\). Chapter II. The Riemann zeta-function as a generating function in number theory. The Riemann](https://www.degruyter.com/document/doi/10.1515/9783110886146.43/html) [Zeta-Function, 43-63.](https://www.degruyter.com/document/doi/10.1515/9783110886146.43/html)
- 6. [Hutchinson, J. I., Titchmarsh, E. C. \(1931\). The zeta-function of Riemann. The American Mathematical Monthly, 38\(6\),](https://doi.org/10.2307/2301828) [328.](https://doi.org/10.2307/2301828)
- 7. [Coates, J. \(2015\). Values of the Riemann zeta function at the odd positive integers and iwasawa theory. The Bloch–Kato](https://doi.org/10.1017/cbo9781316163757.004) Conjecture for the Riemann Zeta Function, 45–64.