

Walker's Equation is a wonderful finding / invention by me.

Number 1 the mother of all Rational Numbers

I give the following equation, as the reason for calling the value of 1 {Quantity one} as the mother and Sum of all possible Rational Numbers.

Proof and Construction of Walker's Equation

The Proof and derivation of the Relationship called " Walker's Equation " is given below. An Equation created and proved from basics by Thomas Walker in 1998.

The greatness of this relationship is the fact that it shows that number 'one' is the sum of sums of all possible inverse powers of all possible positive integers that come after 1. That is, from '2' to ' infinity'.

Number 1 the mother of all Rational Numbers

Walker's Equation

I give the following equation, as the reason for calling the value of 1 {Quantity one} as the mother and Generator of all Rational Numbers.

$$1 = \sum_{m,n=2}^{\infty} \frac{1}{n^m}$$

$$\begin{array}{cccccc}
 & \frac{1}{2^2} + & \frac{1}{3^2} + & \frac{1}{4^2} + \dots + & \frac{1}{n^2} + \dots & \infty \\
 & + \frac{1}{2^3} + & \frac{1}{3^3} + & \frac{1}{4^3} + \dots + & \frac{1}{n^3} + \dots & \infty \\
 1 = & + \frac{1}{2^4} + & \frac{1}{3^4} + & \frac{1}{4^4} + \dots + & \frac{1}{n^4} + \dots & \infty \\
 & \vdots & \vdots & \vdots & \vdots & \vdots \\
 & + \frac{1}{2^m} + & \frac{1}{3^m} + & \frac{1}{4^m} + \dots + & \frac{1}{n^m} + \dots & \infty \\
 & \vdots & \vdots & \vdots & \vdots & \vdots \\
 & \cdot & \cdot & \cdot & \cdot & \cdot \\
 & \infty & \infty & \infty & \infty & \infty
 \end{array}$$

Author :
 Wg Cdr Thomas Walker ,
 507, Jal Vayu Vihar,
 Bangalore -560043, INDIA

Let me give here the simple derivation as to how I have derived this by my own independent analysis and finding.

The basis function used is the binomial theorem :

$$(1-n)^{-1} = 1 + n + n^2 + n^3 + n^4 + \dots$$

Applying this we have :

$$(1 - 1/2)^{-1} = 1 + 1/2 + 1/2^2 + 1/2^3 + 1/2^4 + \dots$$

$$2 = 1 + 1/2 + 1/2^2 + 1/2^3 + 1/2^4 + \dots$$

$$\therefore 1 = 1/2 + 1/2^2 + 1/2^3 + 1/2^4 + \dots$$

$$(1 - 1/3)^{-1} = 1 + 1/3 + 1/3^2 + 1/3^3 + 1/3^4 + \dots$$

$$3/2 = 1 + 1/3 + 1/3^2 + 1/3^3 + 1/3^4 + \dots$$

$$\therefore 1/2 = 1/3 + 1/3^2 + 1/3^3 + 1/3^4 + \dots$$

$$(1 - 1/4)^{-1} = 1 + 1/4 + 1/4^2 + 1/4^3 + 1/4^4 + \dots$$

$$4/3 = 1 + 1/4 + 1/4^2 + 1/4^3 + 1/4^4 + \dots$$

$$\therefore 1/3 = 1/4 + 1/4^2 + 1/4^3 + 1/4^4 + \dots$$

Similarly we have :

$$1/4 = 1/5 + 1/5^2 + 1/5^3 + 1/5^4 + \dots$$

$$1/5 = 1/6 + 1/6^2 + 1/6^3 + 1/6^4 + \dots$$

$$1/6 = 1/7 + 1/7^2 + 1/7^3 + 1/7^4 + \dots$$

$$1/7 = 1/8 + 1/8^2 + 1/8^3 + 1/8^4 + \dots$$

$$1/8 = 1/9 + 1/9^2 + 1/9^3 + 1/9^4 + \dots$$

So, this is how we construct Walker's Equation :

$$1 = 1/2 + 1/2^2 + 1/2^3 + 1/2^4 + \dots$$

$$1/2 = 1/3 + 1/3^2 + 1/3^3 + 1/3^4 + \dots$$

$$1/3 = 1/4 + 1/4^2 + 1/4^3 + 1/4^4 + \dots$$

$$1/4 = 1/5 + 1/5^2 + 1/5^3 + 1/5^4 + \dots$$

$$1/5 = 1/6 + 1/6^2 + 1/6^3 + 1/6^4 + \dots$$

$$1/6 = 1/7 + 1/7^2 + 1/7^3 + 1/7^4 + \dots$$

$$1/7 = 1/8 + 1/8^2 + 1/8^3 + 1/8^4 + \dots$$

$$1/8 = 1/9 + 1/9^2 + 1/9^3 + 1/9^4 + \dots$$

As we substitute as indicated above all green colored terms vanish and we are left with only the terms which appear in the Walker's Equation.

Hence Walker's Equation is proved and constructed from fundamentals.

Prof. Thomas Walker

Scope and Concepts of Research to be undertaken

I state herewith the broad outline of the Research planned.

1. Universe and Cosmos : The origin. Size, nature and structure of our [and other Universes if present] are not correctly understood now and confusion prevails. Even Einstein's Theories have been hotly contested [Einstein Hoax website] and we need to observe,measure,analyze and conceptualize universally acceptable Physical Laws and Explanations. This will also include complete understanding of Energy, Light,Particles,structure of matter,mass energy conversions,speed of light and beyond.
2. Life and Organisms : What are the causes of aging and how to maintain the organic machine - to overhaul periodically [removal of unwanted /dead tissues and substitute with new] and increase life.
3. Peace and Welfare : Intelligent solutions to Human Conflicts based on creed and greed. Intelligent methods for Resource Utilization [Power Generation etc.],Ecological Conservation, Clean Water/Air/Living [especially in India/cleaning of rivers]

In addition all my expertise in Computers and software will be used wherever needed and researched upon too.

My theories and Ideas about the Universe - Wg Cdr Thomas Walker

The following are my theories and Ideas about the Universe :

This is my Original thinking and therefore I request the International Community to record this fact [as I have not bothered to publish this anywhere else]

We think as Truth what we see , observe , feel , experiment with , test , verify and then proclaim it as Theory . Philosophy and TRUTH.

This can only be a relative Truth as many things/facts may be beyond our reach [too many light years away for any physical contact including viewing] , perception or even imagination.

Also, we can only imagine about what we can experience and associate with which is proven by the fact we imagine God to be in Human form etc.

Theory 1:

About color : Color is in the eye of the beholder, therefore what I see as red [told by my parents that this is red] may very well give inside me [my brain] the impression and impact of what someone else gets by seeing the color Green or some other animal [say dog] sees and here lies perhaps the reason for color preferences. There is no way to compare this impact/impression with each other and verify.

Theory 2:

Limit of Space/Emptiness : It is alright to seek a limit on matter/substance but why seek a limit on emptiness or nothingness. So space [in terms of Euclidean dimensions] has to be unlimited. Let us take a straight line going to infinity in both the directions. Nothing can end this process [as if something ends it what is beyond it which has to be something else which too will get termed as space] and if what is told as space-warping and bending of space takes place to result in an egg-shell shaped universe, even then what is beyond this egg in the stated theoretical direction which does not care for the enormous reputation of Einstein ?

Therefore there can be no limit to Space. Analogously as we know there is and there could be no limit to Time too. It is endless too.

Therefore Universe is endless [even if whether Big-bang theory is true or not and there is a limit to the amount of matter within the confines of our known universe] and if our universe does have an egg-shaped limit there could be many more similar Universes beyond [beyond gravity of known matter] and therefore there will be many more Universes to fill up the remaining empty spaces.

**Wg Cdr Thomas Walker,
507, Jal Vayu Vihar,
Kammanahalli Main Rd.
Bangalore – 560043 India**

Tel : 91-80-25449069 Cell : 9880184818

Email : wincowalker@gmail.com

