

From Spacetime via Prime Numbers to the Bible

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Abstract: In the Scale-Symmetric Theory (SST), the following numbers are characteristic for the ground state of the two-component spacetime: $30 = 24 + 6$ (for spacetime as a whole), 24 and 6. On the other hand, prime numbers in the distributions of natural numbers with periodicities 30, 24 and 6, accumulate on the contours of a MAN, CROSS, and a head of a LAMB respectively – it's a straight path to Jesus Christ and the years of His birth in 6 BCE and death in AD 30. The excited state of spacetime leads to a MONSTRANCE. The Holy Spirit is a dark-matter structure associated with periodicity 38.

1. Introduction

This paper contains elements of basic physics, cosmology, number theory and religion. The cross conclusions are the most important.

According to the Scale-Symmetric Theory (SST), there is the two-component spacetime i.e. the SST Higgs field (elements of it have 6 degrees of freedom) and the SST Einstein spacetime (elements of it, when their unitary spin does not rotate, have 24 degrees of freedom) [1]. It means that the ground state of the spacetime as a whole has $30 = 24 + 6$ degrees of freedom.

Emphasize that at the beginning of the SST inflation, the elements of the Higgs field were packed to maximum whereas the Einstein spacetime appeared due to phase transitions of the expanding Higgs field. It means that at the beginning of inflation, the spacetime had 6 degrees of freedom while at the end 30 degrees of freedom.

Here we show that the distributions of natural numbers (naturals) with periodicities 30, 24 and 6 cause that prime numbers (primes) accumulate on the contours of a MAN, CROSS, and a head of a LAMB respectively – it's a straight path to Jesus Christ.

We show also that the excited state of the SST spacetime has 40 degrees of freedom and it leads to a MONSTRANCE in that are encoded God, Virgin Mary and Jesus Christ. Elements of dark-matter structures have 38 degrees of freedom.

Notice that the products (of the smallest positive divisors) equal to the three numbers 6, 24 and 30 in combination with the first five letters of the English alphabet lead to BCE (i.e. Before Current (or Common) Era) and AD (i.e. Anno Domini).

We have

$$6 = 1 \cdot 2 \cdot 3$$

$$24 = 1 \cdot 2 \cdot 3 \cdot 4$$

$$30 = 1 \cdot 2 \cdot 3 \cdot 5$$

On the other hand, we have $1 = A$, $2 = B$, $3 = C$, $4 = D$ and $5 = E$.

For the prime numbers is
 $2, 3, 5 \equiv BCE$

For the non-primes is
 $1, 4 \equiv AD$

Notice also that the product $1 \cdot 2 \cdot 3 \cdot 4 \cdot 5$ is 120. On the other hand, among the first 120 natural numbers there are 30 primes, so the numbers 120 and 30 are important. Emphasize also that according to SST, the non-rotating-spin core of the Protoworld (it was the cosmological object before the expansion of the Universe) had 120 degrees of freedom [1]. In Paragraph 2, we take into account the first 120 natural numbers because the number 120 appears in both the SST cosmology and religion. For example, in Deuteronomy 34:7 (the fifth book of the Jewish Torah), we read that Moses was 120 years old when he died. Most important is the distribution of the first 120 naturals with periodicity 30 because the numbers 120 and 30 relate to the core of the Protoworld and the present-day spacetime in its ground state respectively.

BCE means earlier and AD later – the same applies to numbers 6 and 30 respectively (i.e. 6 is associated with the beginning of the inflation and 30 with its end).

So we have the period from 6 BCE to AD 30.

These two dates refer to the words LAMB and MAN so they should be the dates of birth and death of Jesus Christ.

In this paper, we prove that the initial evolution of spacetime when associated with distributions of primes leads to Jesus Christ and specifies the dates of His birth and death.

Is God the master of spacetime? To answer this question let us consider the distributions of naturals with periodicities 30, 24 and 6.

2. Contour of a MAN for periodicity 30

Plichta suggested marking the location of naturals on concentric circles in such a way that each of them contained 24 successive naturals [2].

In this Paragraph, we suggest to place on each concentric circle 30 successive naturals – we call such distribution of naturals the distribution with periodicity 30. The innermost circle contains naturals from 1 to 30. The next bigger circle contains naturals from 31 to 60, and so on. This means that the number distance between successive naturals on semi-straight lines with radial directions (in short we call them rays) which start with naturals from 1 to 30, is 30 therefore the periodicity of this distribution of naturals is 30.

If we omit the prime numbers 2, 3 and 5, then all other primes will be on eight rays starting with numbers: (1 and 11), (7 and 17), (13 and 23) and (19 and 29) i.e. on the eight rays called ray 1, ray 11, ray 7, and so on. Of course, these rays also contain some non-primes, but we can see that this distribution of naturals immediately eliminates the $22/30$ i.e. $\sim 73\%$ of naturals as non-primes.

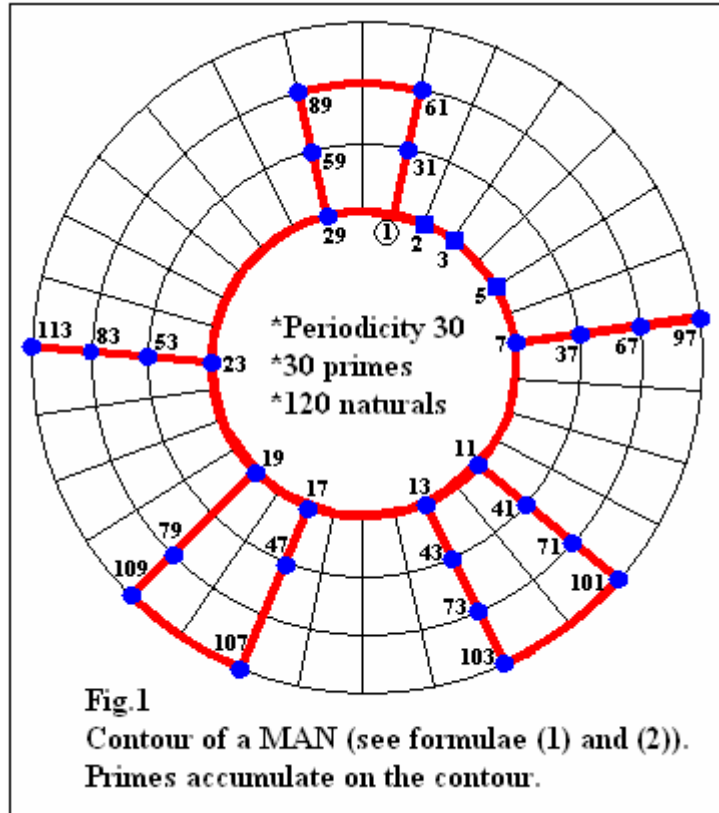
Number of primes must be equal to periodicity i.e. we have 30 primes on four circles. When we thicken the first circle and the eight distinguished rays and the arcs between the last primes on the distinguished rays for which number distance on defined circle is equal to 2, we get a contour of a MAN (Fig.1).

The following formula defines the numbers located on the contour of MAN (some non-primes and all primes without 2, 3 and 5 i.e. $8/30$ ($\sim 27\%$) of all natural numbers)

$$\check{N}_{MAN} = 6n \pm 5 + 30N^*, \quad (1)$$

where $n = 1, 2, 3, 4$ (the four smallest naturals without zero), and $N^* = 0, 1, 2, 3, \dots$ (all naturals with zero).

Notice that $6 = 2 \cdot 3$ and $30 = 2 \cdot 3 \cdot 5$ so the prime factors are the lacking primes in the set defined by formula (1).



Formula (1) is equivalent to eight simple equations with periodicity 30

$$\check{N}_{MAN} = k + 30N^*, \quad (2)$$

where $k = (1 \text{ and } 11), (7 \text{ and } 17), (13 \text{ and } 23), (19 \text{ and } 29)$. We can see that the number distance between numbers in the brackets is 10 (i.e. ± 5 in formula (1)). Moreover, there are 10 prime numbers on the innermost circle. On the other hand, in SST, the 10 degrees of freedom have the rotating-spin carriers of quantum entanglement between the Einstein-spacetime components [1].

I claim that the MAN represents Jesus Christ. Why? Notice that there are 10 primes on the innermost circle, 7 on second, 7 on third, and 6 on fourth. On the other hand, there are the Ten Commandments (10) and in the Bible we can read about Jesus Christ: "...there stood a Lamb having seven horns (7) and seven eyes (7)...". The number 6 is associated with the creation of mankind in Genesis.

The life of Jesus Christ should concern the contour of MAN. From formula (1), for $n = N^* = 1$ and the sign (+) we have

$$6 + 5 + 30 \quad (3a)$$

In the Scale-Symmetric Theory of the ground state of spacetime, the number 6 means “the beginning” and the number 30 means “the end” (of the inflation). We can interpret it as follows

$$6 \text{ BCE} + 5 = 1 \text{ BCE} \quad (3b)$$

$$1 \text{ BCE} + 30 = \text{AD } 30 \quad (3c)$$

It suggests that Jesus Christ was born in the year 6 BCE and died in AD 30. Notice that according to Aristotle (384 BCE – 322 BCE) the first stage of early childhood lasts up to 5 years [3]. The end of 1 BCE was the beginning of AD 1 (i.e. New Era).

Notice that

$$6 + 5 + 30 = 6 + 35 \quad (4a)$$

i.e.

$$6 \text{ BCE} + 35 = \text{AD } 30 \quad (4b)$$

so Jesus Christ was 35 years old when He died on the cross.

In the Bible we can read “One sat on the throne... and was to look upon like a jasper and a sardine stone”. On the other hand, the first wall of the foundations of the New Jerusalem was the jasper while the sixth was sardius (carnelian). We can say that the number 16 (i.e. the first wall and the sixth wall) relates to God, the number 7 relates to Jesus Christ (“...there stood a Lamb having seven horns and seven eyes...”), and the number 12 relates to the Blessed Virgin Mary (“a Woman... on her head a crown of twelve stars”). Notice that we have

$$16 + 12 + 7 = 35$$

and Jesus Christ lived 35 years.

3. Contour of a CROSS from periodicity 24

Peter Plichta described the distribution of naturals with periodicity 24 [2]. Then primes accumulate on the contour of a CROSS (Fig.2). Number of primes must be equal to periodicity (i.e. 24 primes). Notice that here the arcs do not connect primes so symmetry of the CROSS is worse than of the MAN – in reality, in the CROSS we should not draw the arcs.

The following formula defines the numbers located on the Plichta CROSS (some non-primes and all primes without 2 and 3 i.e. $8/24$ (~33%) of all natural numbers)

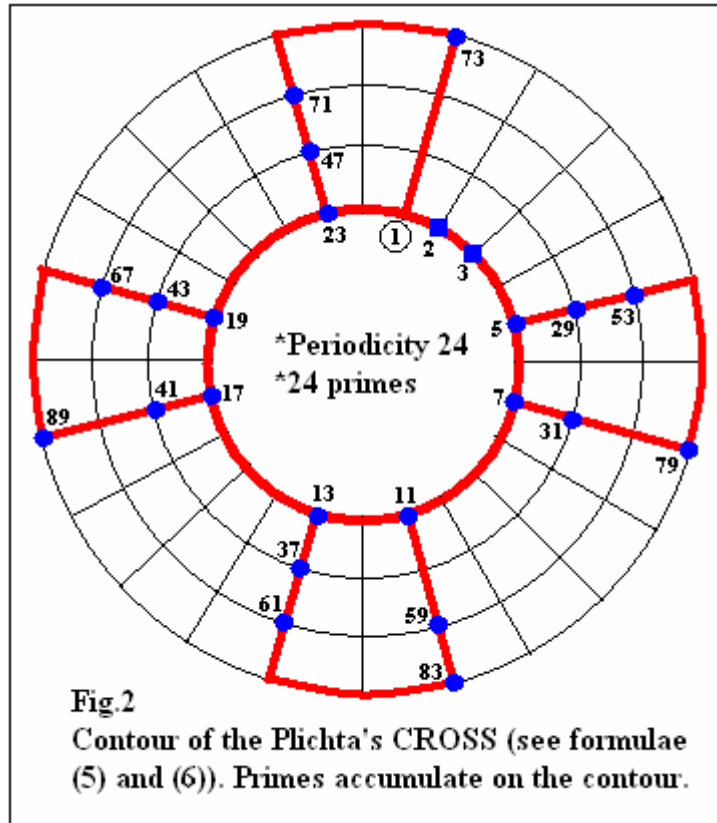
$$\check{N}_{\text{CROSS}} = 6n \pm 1 + 24N^*, \quad (5)$$

but for $6n + 1 > 24$ we have $6n + 1 - 24$.

Formula (5) is equivalent to eight simple equations with periodicity 24

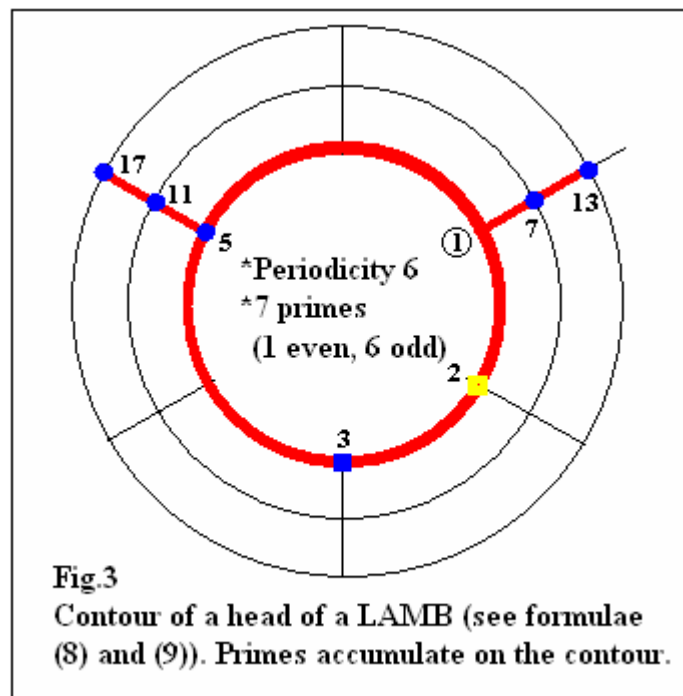
$$\check{N}_{\text{CROSS}} = m + 24N^*, \quad (6)$$

where $m = (5 \text{ and } 7), (11 \text{ and } 13), (17 \text{ and } 19) \text{ and } (23 \text{ and } 1)$.



4. Contour of a head of a LAMB for periodicity 6

Let's consider the distribution of naturals with periodicity 6.



The following formula defines some non-primes and all primes without 2 and 3 – many of them are the twin primes, i.e. the $2/6$ (~33%) of all naturals [2]

$$\check{N}_{\text{Plichta}} = \pm 1 + 6 N, \quad (7)$$

where N are naturals without zero.

But we can write it in such a way to start with number 1 and include $N^* = 0$

$$\check{N}_{\text{LAMB}} = 3 \pm 2 + 6 N^*. \quad (8)$$

In the Bible, with the LAMB is associated number 7 (“seven horns and seven eyes”) so we use the 7 first primes (they represent Jesus Christ): 2, 3, 5, 7, 11, 13, 17 (i.e. one even prime number and 6 odd primes – it leads to 16 and represents God). Notice that numbers 2 and 3 does not result from formula (8). The contour containing such primes looks as a head of a LAMB (Fig.3).

Formula (8) is equivalent to two equations with periodicity 6

$$\check{N}_{\text{LAMB}} = p + 6 N^*, \quad (9)$$

where $p = 1, 5$.

We do not connect the two rays because on each circle the number distance between numbers on the rays 1 and 5 is 4 (i.e. ± 2 in formula (8)), not 2 as it is in the definition of the contours (see Paragraph 2).

5. A MONSTRANCE for the excited state of spacetime (periodicity 40)

In SST [1], the excited state of spacetime means that the unitary spins of the Einstein-spacetime (Es) components can rotate (then they have $24 + 2 = 26$ degrees of freedom) and that their rotational energy can be transferred between the Es components by the rotating-spin binary systems of closed strings the Es components consist of.

The binary systems of closed strings I call the entanglons because they are responsible for the quantum entanglement. The non-rotating-spin entanglons have 8 degrees of freedom while the rotating-spin ones have 10 degrees of freedom [1].

For the excited state of spacetime we have two possibilities:

* the spin of the Es component rotates while the spin of exchanged entanglon does not so such a system has 40 degrees of freedom

$$6 + 26 + 8 = 40,$$

* the spin of the Es component does not rotate while the spin of exchanged entanglon rotates so such a system also has 40 degrees of freedom

$$6 + 24 + 10 = 40.$$

Let's consider the distribution of naturals with periodicity 40.

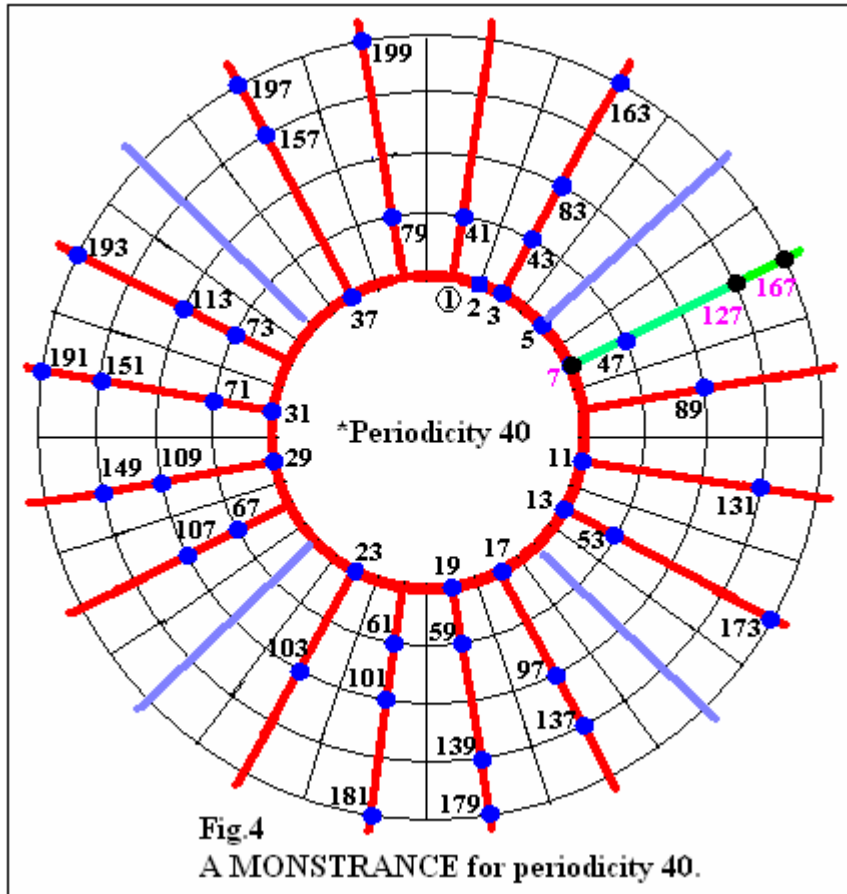
The following formula defines some non-primes and all primes without 2 i.e. the 20/40 (50%) of all naturals

$$\check{N}_{\text{MONSTRANCE}} = 4 s \pm 1 + 40 N^*, \quad (10)$$

where s are the 10 smallest naturals without zero. But for $4s + 1 > 40$ we have $4s + 1 - 40$.

The primes appear on the innermost circle and 16 rays starting from following numbers: (7, 9, 11, 13), (17, 19, 21, 23), (27, 29, 31, 33), and (37, 39, 1, 3), i.e. on the 16 rays (4 groups each containing 4 rays).

The innermost circle and the 16 rays look like a simple MONSTRANCE (Fig.4).



From Paragraph 2 we know that the 16 rays can represent God. There are 12 primes on the innermost circle: 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, so they represent the Blessed Virgin Mary. Notice that the ray 7 is distinguished because on it are placed the primes 127 and 167 – the number 127 we read as 12 and 7 i.e. the Blessed Virgin Mary and Jesus Christ or Virgin Mary and Her Son, while the number 167 we read as 16 and 7 i.e. God and His Son. The prime number 7 and the ray 7 represent Jesus Christ.

We see that the MONSTRANCE leads to God (16), Virgin Mary (12) and Jesus Christ (7).

6. Dark matter and dark energy (periodicity 38)

According to SST, the Holy Spirit and minds are the dark-matter (DM) structures.

The sign of the cross (in the name of the Father and the Son and the Holy Spirit) suggests that the difference between the body and the spirit is associated with a 90-degree rotation as it is in the Scale-Symmetric Theory [7].

According to SST, in the DM and dark-energy (DE) structures, the spins of the Einstein-spacetime components are parallel or antiparallel to their velocities and they are entangled in such a way that their velocities are tangent to some curves [7]. In such systems there does not appear rotation of spins of both the Einstein-spacetime components and the exchanged entanglons. It leads to conclusion that the DM and DE components, when we take into account also the Higgs field, have 38 degrees of freedom

$$6 + 24 + 8 = 38.$$

By the way, the components of the photons interacting with the SST Higgs field have 40 degrees of freedom (see Paragraph 5).

For natural numbers with periodicity 38 (i.e. for DM and DE in the SST Higgs field) two rays (ray 2 and ray 19) are distinguished because on each of them is only one prime number that is on the innermost circle. So we can say that these rays apart from their beginning (apart from their “ground state”) they are empty i.e. “dark”. It is because there is

$$19 + 38 N^* = 19 (1 + 2 N^*) \text{ and } 2 + 38 N^* = 2 (1 + 19 N^*)$$

so all numbers on the ray 19 and ray 2 are divisible by 19 and 2 respectively.

Notice that

$$2 \cdot 19 = 38 = 6 + 24 + 8. \quad (11)$$

In the Bible, number 2 represents both opposite things and union [8]. SST shows that both light (photons) and darkness (DM and DE) are built of the entangled Einstein-spacetime components (some union) but properties of light and darkness are very different (opposite things). In a similar way we can explain the contrast between the physical and spiritual things. Number 2 represents also “soul mission” [8]. In the Bible, number 19 represents faith in Jesus Christ [9]. Notice that $19 = 12 + 7$ what can be read as Virgin Mary and Jesus Christ.

Here the most important conclusion is that the spiritual objects are the dark-matter structures which can interact with physical objects because they are all made up of the same elements.

7. Summary

We have shown here that the dates of the birth (6 BCE) and death (AD 30) of Jesus Christ are related to spacetime physics and to the prime number distribution for periodicity 30 of naturals. Such periodicity leads to the contour of a MAN. Also the distributions with periodicities 24 and 6 concern the life of Jesus Christ – we obtain the contours of a CROSS and a head of a LAMB.

I hope that the relationships described here will force a deeper analysis of the messages sent to people by God, Jesus Christ and the Holy Spirit.

- Why did the birth of Jesus Christ conceived by the Holy Spirit have to be a virgin birth? Maybe God tries to say that we inherit the sins of our ancestors? Will every nation sooner or later be punished for the crimes of its predecessors if it does not repair the damage it has done?

- Why did a noble MAN have to die on a cross? Such an event causes bandits to feel unpunished. Rather, God should organize Last Judgment more often. Generally, forgiving sins to bad people does not make them any more noble. Is there a more effective method? Or is it about honest behaviour based on free will and not intimidation? We have time to heal our souls, only to the Last Judgment. Jesus Christ died on the cross to instil the seeds of righteousness in the souls of people.

We should also emphasize that the ratios of periodicities considered here

$$24 : 30 : 6 = 4 : 5 : 1 \quad (12)$$

appear in the Wow! signal [4] and in the PMNS matrix for neutrinos [5]. Moreover, in the Wow! signal there are 6 basic elements: 6EQUJ5, and there appear the number 6 and the element U with the lower limit equal to 30.

In my paper concerning the Wow! signal, we showed that number 6 leads to the excited state of the Einstein-spacetime components with the 26 degrees of freedom while 30 leads to the rotating-spin core of the Protoworld with the 122 degrees of freedom [4]. The sum $26 + 122$ is 148 – on the other hand, we can find information that number 6 appears 148 times in the Bible [6].

Using selected people, some of the knowledge of God (coded in some religious messages and myths) was passed on to us.

We showed here that the theory of the ground state of the SST spacetime leads, via primes, to Jesus Christ, the Cross and Lamb i.e. leads to the Bible. The excited state of the SST spacetime leads to a MONSTRANCE with encoded God, Virgin Mary and Jesus Christ. The Holy Spirit is a dark-matter structure associated with periodicity 38. But in this and other articles we have also shown that there are many more relationships between the Scale-Symmetric Theory and religion, mythology and extraterrestrial signals.

We have shown that God speaks to people through a religion closely related to real physics (i.e. based on the Scale-Symmetric Theory) and simple mathematics.

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