



THE UNIVERSE IS A SINGLE MATHEMATICAL SERIES (I.E. KNOWN AS “S.D. SERIES”)

Physics

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ABSTRACT

Series is a very common term and everybody knows about them in any form. Mainly this term used in Mathematics. The series in Mathematics there are exist in many form, which all are independent applications and uses. Similarly the “SOMDATT SERIES” (Also known as S.D. Series) is a Mathematical series (just like a simple series which introduced above). S.D. Series is this (1,2,4,7,12,20,33,54,88,.....). This single series explain our whole universe. With the help of this series we can also calculate the amount of existing thing in universe.

KEYWORDS

Mathematics, Universe, Series, Number, Dark Matter And Dark Energy.

INTRODUCTION

A function that cannot be expressed in terms of basic mathematical operations; these types of operations can be expressed in terms of a series in mathematics. in any series there are total number of terms are finite. The way of describing a series is depends on our requirement, applications, given problems etc. On that basis we are describing many series in mathematics, which all are separately applications in mathematics. some series is Taylor series, Maclaurin series, Laurent series, Dirichlet series, Fourier series, Newtonian series, Legendre polynomials, Zernike series, Stirling series etc.

The universe means space, time, planets, stars, galaxies, and rest of all the different form of matter and energy. According to the big bang theory, space and time combine together 13.799±0.021 billion years ago and made our universe[1]. The universe has been expanding ever since. At the current time nobody knows about the actual size of our observable universe but a cosmic inflation theory tells us that the age of our universe is minimum of 23 trillion light years[2] and its size is approximately 93 billion light-years in diameter. Over the centuries, many precised astronomical observations just like “Nicolaus Copernicus” he is developing the heliocentric model and fixed the Sun at the center of the Solar System. After developing the law of universal gravitation, Isaac Newton made upon Copernicus's work as well as Johannes Kepler's laws of planetary motion and observations by Tycho Brahe. Further studying the universe and observe inside it we got hundreds of billions of stars (just like sun) present in the Milky Way and almost the same number of galaxy, clusters, superclusters are present inside it[3]. Also we got the universe is continuously expanding[4][5]. In the current age some mysterious facts are also knows that dark matter[6], dark energy[7], ordinary matter[8] and concepts of multiverse[9][10][11].

RESULTS AND DISCUSSION

The mathematical series is follow some specific pattern. This is also represents that types of an expression whose ordinary operations in mathematics is very complicated and almost impossible in some case. Some important series name given in initially. Every given series is indicate separately mathematical problems or any other types of complicated problems which is expressed in terms of mathematics. Similarly the “SOMDATT Series (S.D. Series)” is also a mathematical series, whose all characteristics, behaviour and operational process is similar to the mathematical series.

The S.D. Series is follows:

1, 2, 4, 7, 12, 20, 33, 54, 88, 143, 232, 376, 609, 986, 1596,

The general terms of this S.D. series is: $A_n = \{A(n-1)+1\} + \{A(n-2)\}$

Where; 'An' is the 'nth' term of the S.D. Series and 'n' is the total number of terms which is present in this series.

This series follow a unique pattern which is “(odd, even, even)” and it is repeating up to 'n' terms. We start calculating the average value of

this unique pattern and we got a new S.D. series, it is bellow-

2.333, 13, 58.333, 250.333, 1063.666, 4506.333, 19090.333,

After analysing that number which is present in the getting this new S.D. series; we get a constant value i.e. (4.43). All numbers whose existence in the new S.D. series, is almost (4.43) times greater than the previous present number. Also these constant value indicates the percentage of normal/ordinary matter which is present in our universe is almost same value; i.e. (4.43).

Again we apply the concepts of numerology in the S.D. series and convert all the number which in present more than one digit, into a single digit.

Table(A): It Shows That The S.d. Series Converting Into A Single Digit Number Applying The Concepts Of Numerology.

1			
2			
4			
12	3		
20	2		
33	6		
54	9		
88	16	7	
143	8		
232	7		
376	16	7	
609	15	6	
986	23	5	
1596	21	3	
2581	16	7	
4178	20	2	
6760	19	10	1
10937	20	2	
17698	31	4	
28636	25	7	
46333	20	2	
74970	36	9	
121304	11	2	
196273	29	11	2
317578	31	4	
513852	24	6	
831429	28	10	1
1345282	25	7	
2176712	26	8	
.....			

The above table (A) shows that the S.D. series is forming with the different arrangement of the Natural number (1, 2, 3, 4, 5, 6, 7, 8 and 9).

That's why after breaking the S.D. series with the help of numerology we got all natural number.

In the Rigvedas written the mathematics is an universe. The main block of mathematics which combine to form it is only the natural number. So we can say that the S.D. series represents our universe.

Now we start pairing of the S.D. Series follow the pattern (odd, even, even) and we get a new series in terms of Z and this series is known as "SARITA SINGH SERIES(S.S. Series)". This S.S. series is an important applications of the S.D. series. This S.S. series is apply to calculate the efficiency of series connection of rectifiers and diodes; up to 'n' number of connection.

The S.S. series is as follows:

$Z = Z_1, Z_2, Z_3, Z_4, Z_5, \dots$

Where; $Z_1 = (1, 2, 4)$

$Z_2 = (7, 12, 20)$

$Z_3 = (33, 54, 88), \dots$ and 'Z' is the set of series connection of the rectifiers and diodes.

The relationship between $Z_1, Z_2, Z_3, \dots$ is that

$$Z_n = (4.43)^n Z_1$$

Where; the value of Z_1 is 100.46 and 'n' is the total number of terms which is present in this S.S. series.

CONCLUSIONS

On the basis of above all explanations and discussions we can say that the single series (which is known as "S.D. Series") is represent our whole universe and we can also explain the universe with the help of this series. So we can easily expressed the universe in terms of a single mathematical series.

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