Recursive Consecutive Element Differential Of Prime Sequence (And/ Or Prime Sequences In Higher Order Spaces) Based Instantaneous Cumulative Imaging Of Any Set Of Concern (Version II)

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Abstract

In this research investigation, the authors have advented 'Recursive Consecutive Element Differential Of Prime Sequence (And/ Or Prime Sequences In Higher Order Spaces) Based Instantaneous Cumulative Imaging Of Any Set Of Concern'.

Theory

One can note that since all the manifestations of the Universe are based on the Sequence Of Primes and Prime Sequences In Higher Order Spaces [1], [2], we should use Recursive Consecutive Element Differential Of Prime Sequence (And/ Or Prime Sequences In Higher Order Spaces) Based Instantaneous Cumulative Imaging Of Any Set Of Concern to find its evolved {along the Prime Metric (and also the Prime Metric Constructed using Prime Sequences In Higher Order Spaces)} Image at any instant. We detail how one can achieve this in the following lines.

We first make note of the following:

For base 1:

$0=1^{(1-1)}- 1^{(1-1)}$

$1=1$

$2=1+1$

$3=1+1+1$

$4=1+1+1+1$

$5=1+1+1+1+1$

$6=1+1+1+1+1+1$

$7=1+1+1+1+1+1+1$

$8=1+1+1+1+1+1+1+1$

$9=1+1+1+1+1+1+1+1+1$

For base 2:

$0=2-2$

$1=2^0$ where 0 is given in terms of 2 by the previous equation

$2=2^1$ where 1 is given in terms of 2 by the previous equation

$3=2^2-2^0$ where 0 is given in terms of 2 as already shown

$4=2^2$

$5=2^2+2^0$ where 0 is given in terms of 2 as already shown

$6=2^2+2^1$ where 1 is given in terms of 2 as already shown

$7=2^2+2^2-2^0$ where 0 is given in terms of 2 as already shown

$8=2^2+2^2$

$9=2^2+2^2+2^1$ where 1 is given in terms of 2 as already shown

Similarly, we find such expressions for all the numbers from 3 through 9 as well.

Therefore, when we wish to slate the Image Of Any Set with respect to the Prime Sequence of concern, say we consider the Prime Sequence {1, 2, 3, 5, 7,…}, we can note that the 1st image of the considered Set is the Set itself, as {1+1=2 (the second number of the prime sequence)}. The 2nd image is gotten by noting that 2 becomes 3, i.e., therefore we slate the above considered set in the basis of number '2', i.e., in terms of '2' and slate the Primality {see author's research papers on 'Primality' at www.vixra.org in the General Mathematics Category at http://www.vixra.org/author/ramesh_chandra_bagadi} of this set in terms of the Number 2 and then replace wherever this number 2 occurs by 3 {the third number of the prime sequence}. The image thusly gotten is the 2nd cumulative image of the considered set. Similarly, if we wish to find the 3rd cumulative image of the considered set, we consider the thusly found 2nd cumulative image of the considered set and slate the Primality of this set in

terms of the Number 3 and then replace wherever this number 3 occurs by 5 {the fourth number of the prime sequence}. In this fashion, one can find the N^{th} Cumulative Image Of any set of concern. One can also note that this is also the grand '***Evolution Transformation Scheme***' (see [3], [4]) along the Prime Metric. One can note that one can similarly implement and compute the desired aspects using Primes In Any Higher Order Space by using the appropriate Prime Metric Constructed using Primes In the corresponding Higher Order Space.

References

1.http://www.vixra.org/abs/1502.0100
'*The Prime Sequence Generating Algorithm*'.
2.http://www.vixra.org/abs/1509.0291
'*The Prime Sequence's (Of Higher Order Space's) Generating Algorithm*'.
3.http://www.vixra.org/abs/1510.0006
'*Universal Natural Recursion Schemes Of R^{th} Order Space Prime Sequence's (Of Higher Order Space's) Generating Algorithm*'.
4.http://www.vixra.org/abs/1510.0030
'*Universal One Step Natural Evolution And/ Or Growth Scheme Of Any Set Of Concern And Consequential Evolution Quantization Based Recursion Scheme Characteristically Representing Such Aforementioned Evolution And/ Or Growth*'

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