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# TRL Natural Converses Of Any Order Of Any Given Aspect Primality Of Concern. {Rendition To Completion}. (Universal Engineering Series).

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Firstly, we consider a given Aspect Primality Set  $S_{\subset}$  denoted by  ${}^{2}p_{j}{}^{2}_{j=1 to n}$ 

wherein all the elements of  $S_{\subset}$  are the Prime Metric Basis Elements starting from 1 and running upto n of the Universal Sequence Of Primes of Positive Integer 2. Note that from author's [1], [2], we can render Any Aspect Primality of concern in this State. We now consider another Aspect Primality Set  $S_{\subset}^{-1}$  given by considering the Reciprocal Elements [3] of the Set  $S_{\subset}$ . That is,  $S_{\subset}^{-1}$  is given by  $\left\{\frac{1}{2}\right\}$ . Using some Scalar  $\alpha_s$  which is actually the

is, 
$$S_{\subset}^{-1}$$
 is given by  $\left\{\frac{1}{p_j}\right\}_{j=1 \text{ to } n}$ . Using some Scalar  $\alpha_s$  which is actually the

Least Common Multiple of the Elements  ${}^{2}p_{j}{}_{for \ j=1 \ to \ n}$ , we construct another Set  $S_{\neg} = \alpha_{S} \{S^{-1}\}$ .

#### Lemma 1

We can now note that  $S_{\supset} = \alpha_S \{S^{-1}\} = \alpha_S \{{}^2p_j\}_{for \ j=1 \ to n}$  can be gotten by considering the First *n* Prime Metric Basis Elements (considered in Increasing Order) of the Universal Sequence Of Primes of Order *n*.

#### Lemma 2

Furthermore, one can even note that one can actually create all Possible Distinct Product of (n-1) Factors Terms of the Elements of the Set  $S_{\subset}$ 

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(wherein each Factor belongs to  $S_{\frown}$ ) and can arrange them in Increasing Order and can select the First *n* Terms to form the Set  $S_{\supset}$ .

#### Lemma 3

Naturally and Technically, therefore, we can consider  $S_{\supset}$  to be the Super Set First Order Converse (Or Contrary Set) Of the given Aspect Primality Set  $S_{\supset}$ . Therefore, we can specifically denote it by  $S_{\supset 1}$ .

### Lemma 4

Similarly, we can find the First Order Converse (Or Contrary Set) Of the Aspect Primality Set  $S_{\supset 1}$  and can call it  $S_{\supset 2}$ . Therefore, in this fashion, we can find the Any Positive Integer Order (say  $R^{th}$  Order) Converse (Or Contrary Set) Of the given Aspect Primality Set  $S_{\subset}$  which can be denoted by  $S_{\subset R}$ .

#### Lemma 5

Therefore, one can note that for the given Aspect Priamlity Set  $S_{\subset}$ , the Number of Elements in it denote the Maximal Order Of Recursion Intelligence of the Aspect Primality of concern.

#### Lemma 6

Now since, Prime Metric Basis Elements of any Higher Order Sequence Of Primes can be decomposed again as Products of Elements of Second Order Sequence Of Primes, we can Naturally Implement the aforesaid and can find

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the Any Positive Integer Order (say  $R^{th}$  Order) Converse (Or Contrary Set) Of the given Aspect Hyper Primality Set  $SH_{\subset}$  which can be denoted by  $SH_{\subset R}$ .

#### Lemma 7

We can also note that if any given Aspect Hyper Primality Set, wherein its Elements Span Various Orders of Universal Sequence Of Primes's Corresponding Prime Metric Basis Elements, we can Slate them all in the Basis of the Universal Sequence Of Primes Of Order Two and can perform the aforementioned Process. There is no need for the Existence of Continuity of the Prime Metric Basis Elements Position Numbers. That is, here we Invoke *Lemma 2*, only that the there is no Existence of Continuity of the Prime Metric Basis Elements along this Set.

#### Lemma 8

Since, this concept of author takes any Set to its Contrary Ness, existing as a Higher Order(s) Recursion Intelligence Set, we can note that this Scheme of the author is also a Transform Form Or Transform Variant of author's Universal Wave Equation Of The Universe and its Manifestation Type. [4].

#### Lemma 9

Instead of just Reciprocal considered in the First Paragraph of this research manuscript, one can consider various Other types of Reciprocals, i.e., Converses detailed in author's [3].

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## Lemma 10

One can even note that in this Fashion, one can find the Transitions Transition Transform Paths Scheme between any Two Different Aspect Primalities of concern, of course via the appropriate Path. Hence, this Scheme of author can be also considered as the Aspect Continuity Transform already detailed by the author in [5], [6].

*Example*: One can find the Aspect Primality Transition Transform Paths connecting the Primalities of Time, Space, Wave, Photon, Mass, Light, Energy, Black-Hole, Gravity, Perception, Uncertainty, Any Real Order Rate Of Change of Centroid, Dark Matter, Dark Energy.

### Lemma 11

The First, Second, Third, ,...., and  $R^{th}$  Order Natural Converses (thusly found) of the given Aspect Primality of concern can also be considered as the Successively One Step Evolved [7] To The Limit States of the given Aspect Primality of concern. By One Step Evolved To The Limit State, we mean when an Aspect Primality can be found as a Sub-Set or Super-Set (in, i.e., Scaled Of Prime Metric Basis of the Order of concern Sense) Universe In parallel of itself in the Primality Arm Side (wherein the Converse Aspect Primality Toplogically Exists) of the Aspect Primality's Infinity Geodesic [8], when this Aspect is Considered In Stable Spatial Configuration of Appropriate Maximal Order Of Dimension Of Space [9].

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—-Ramesh Chandra Bagadi

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