TRL Life Engineering. {Rendition To Completion}. (Universal Engineering Series).

Author:
Ramesh Chandra Bagadi
Founder, Owner, Co-Director And Advising Scientist In Principal Ramesh Bagadi Consulting LLC (R042752)
Madison, Wisconsin-53715, United States Of America.

Email:
rameshcbagadi@uwalumni.com

Permanent Home Address:
MIG-905, Mithilapuri Colony,
VUDA Layout, Madhurawada, Visakhapatnam 530 041,
Andhra Pradesh State, India.

Telephones:
+91-9440032711, +91-7702721450, +91-891-2501619 (Land Line)

Universal Reach Address:
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Author’s Picture:
Complementable Bound (Limit)

One can note that there exists a Prime Number $p$ of
the respective Prime Metric Basis of concern such that
when we consider its complement w.r.t. some Number
Limit (expressed as a Number $N$, wherein the Base is
the Number Base $N$) of the Number System we use for
this analysis and the exponent of this Base is a
Positive Integer which again is expressed in the Number
Base ($N$) of the Number System of concern we use, the
Numbers $RIP$ and $(N - RIP)$ are both Prime in the
Numbers

$\text{Basic } R_1 \text{ (Prime Sequence Basis Order)}$ and $n$ is equal
to the Number of Sigfig Place Holders occupied by $R_1^{\text{HN}}$
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Life Engineering (continued) . . .

Firstly we consider some Prime Number say $R_i^p_{a_i}$ and consider its Complementable Bound Limit (CBL) $CBL(R_i^p_{a_i})$ as

$$CBL(R_i^p_{a_i}) = \frac{1}{\{CBL(R_i^p_{a_i}) - R_i^p_{a_i}\}}$$

and

we use the concept of Time Life as $R_i^p_{a_i}$ and Time Redundancy as (w.r.t the Complementable Bound Limit)

$$\{CBL(R_i^p_{a_i}) - R_i^p_{a_i}\}$$

and construct the Unitarity Condition In Recurrence such as

$$\frac{1}{\{CBL(R_i^p_{a_i}) - R_i^p_{a_i}\}} = \delta_{a_i} \approx 1$$

Also, we consider the Expression of the form

$$\sum_{a_i \in \mathbb{C}} \frac{1}{\{CBL(R_i^p_{a_i}) - R_i^p_{a_i}\}} = \int [CBL(R_i^p_{a_i})]$$

where $a_i, a_i$ are Prime Metric Position Numbers of Prime Metric Basis $R_i$ and $R_i$ respectively. Also, $a_i = 0$ to Exhaustion Considered consecutively as $(c+1), (c+2), (c+3), ...$ where $c$ is a Positive Integer and for Exhaustion, we mean till the fact that $(R_i^p_{a_i})$ and $\{CBL(R_i^p_{a_i}) - R_i^p_{a_i}\}$ are Prime for varying $R_i$, for any considered $N_i$. 

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Life Engineering (continued)...

Also, one can note that similarly, we can note that \( \sum \left\{ \mathcal{R}_2 \right\} p_{aj} \) can be considered as the equivalent Prime Number that generates the Recursion Field Intensity Gradient Function characteristic of the Star, Galaxy or Universe or just Interspatial Galactic Space of concern in which we created the Life Primality Values using \( \left( R_1 p_{ai} \right) \). That is, this Value is the Least Count of this aforementioned Recursion Field Intensity Gradient Function Primality.

We now consider applying the Evolution Operator on the last mentioned equation:

\[
E \left\{ \sum_{a_i = c}^{R_1 p_{ai}} \mathcal{CBL} \left( \mathcal{R}_1 p_{ai} \right) \right\} \frac{1}{\mathcal{CBL} \left( \mathcal{R}_1 p_{ai} \right) - R_{p_{ai}}} = \frac{1}{R_2 p_{ai}}
\]

wherein by \( f \left( \mathcal{CBL} \left( \mathcal{R}_1 p_{ai} \right) \right) \) is a function of \( \mathcal{CBL} \) corresponding to \( R_1 p_{ai} \) of concern. Recursively, we can again think of \( R_2 p_{ai} \) being generating all the elements represented in the equation:

\[
\sum_{a_i = d}^{R_1 p_{ai}} \frac{1}{\mathcal{CBL} \left( R_3 \right) - R_{p_{ai}}} = \frac{1}{R_2 p_{ai}}
\]

and so on. forth - continuously. Lastly, the \( \left( R_1 p_{ai} \right) \) are plotted (each set) along the Prime Metric Of The Maximal Order Dimension.
Life Engineering (continued)

of Space (see authors [2]) for knowing Maximal Order
Dimension of Space, and Prime Metric Algebra respectively.

As stated in Stable Spatial Configuration, we get
the Physical Topology of the Life Entity of concern
represented by the Set of $R_i^p$ as evolve under the
aforementioned Evolution Constraint. One should note that
the CBL $\{ R_i^p \}$ is a limit or rather a function of
the aforementioned Star (or Galaxy or Universe or Just
the Interstitial Galactic Space of concern). And such
Function can simply be also a Devolved Primality
of the Universal Recursion Scheme of the aforesaid
Star (or Galaxy of Universe or Just the Interstitial
Galactic Space of concern), which again may be proportional
to the Norm of the Distance between the Star (or...)
and the Life Entity aspect (created) position considered
along the Prime Metric.

Example: We can consider a given Complementable Bound
Limit of 8987, i.e., 898000 or 898 Trillion, i.e., $8.98 \times 10^{12}$
898 x 10^12. For this CBL, we can find the Life Entity Aspect of concern
generated along these lines. Also, similarly we can find the
Life Entity Aspect of concern generated for the case of 8987,
Life Entity Aspect of concern generated for the case of 8987,
8989000 or 8989 Trillion, i.e., $8.989 \times 10^{13}$ or $8.989 \times 10^{12}$.
Life Engineering (continued)

Note 1: One can note that the Aspect Primality Set \( (\mathcal{R}_P^i) \) and its Converse can be used to construct the Universal Wave Equation of the Universe. The Converse can be found already wherein each sector of the Universal Wave Equation of the Universe which is actually the Infinity Geodesic of the Aspect Primality Set. We then consider Orthogonal Primality Additions Based Denomination on the Inner Side to Exhustion & Outer Side till we reach a Point of Evolution to Limit. We can now consider the Eigen Frequency Spectra of this newly modified Primality, which can be safely considered under the Life Primality Eigen Frequency Spectra.

Note 2: We can also consider another case wherein the (time-like) term \( \frac{1}{\sqrt{CBL (R_P^a) - \lambda_P^a}} \) is replaced by \( \frac{1}{\sqrt{CBL (R_P^a) - \lambda_P^a}} \) as well in the Entire Algebra. Here, the notation \( CBL (R_P^a) \) indicates the Complementable Bound Limit which we are using for generating the Constrained Evolved Elements of \( R_P^a \) wherein the Constraint of Evolution is already detailed.
Expressing Any Aspect Primality of Concern In The Basis Of Its Least Count

For a given Aspect Primality \( S \) we can find its Reciprocal Primality (Converse Primality) for the Converse Primality \( p \) w.r.t. the given CBL Value \( S \) in which the Aspect Primality \( S \) ferments in, as

\[ p_i \rightarrow \frac{1}{p_i} \]  \hspace{1cm} or \hspace{1cm} \( p_i \rightarrow \frac{1}{(CBL-p_i)} \)  \hspace{1cm} or \hspace{1cm} \( p_i \rightarrow \left( \frac{1}{CBL} \right)^{\frac{1}{p_i}} \)

Wherein the last 2 types of Converse can be referred to as Ideal Converse Primality w.r.t. the given CBL Value as already detailed. The former type being

\[ p_i \rightarrow \left( \frac{1}{CBL} \right)^{\frac{1}{p_i}} \]

For each of these volume expressions, the R.H.S terms in these can be considered as Native Primality Element in these can be considered as Native Primality Element Frequencies of the respective Converse types that are mentioned above. Also, one can consider the Reciprocal of the Cross Product \( [6] \) of the following cases as also Cross Product Based Native Primality Element Frequencies of the respective Converse types already mentioned, then being

\[ \frac{1}{p_i} \cdot \left( \frac{1}{CBL} \right)^{\frac{1}{p_i}} \]

\[ \frac{1}{p_i} \cdot (CBL-p_i) \cdot \frac{1}{p_i} \]

\[ \frac{1}{p_i} \cdot (CBL-p_i) \cdot \left( \frac{1}{CBL} \right) \]

\[ \frac{1}{p_i} \cdot (CBL-p_i) \cdot \left( \frac{1}{CBL} \right) \]

Wherein all Cross Products are computed after placing them all in the Prime Basis of concern.
Life Primality (continued)

One can also consider Frequencies Spectrum, i.e., Reciprocals of the kind wherein Commune is considered w.r.t each and every $P_i$ and $\frac{1}{P_j}$ and for a given CBL value of concern here. That is we consider Frequencies of Inter Inter-Interactions of $P_i$, for all the cases of Cross Product, i.e., The Frequencies of interest being

$$\left\{ \left( P_i \right) \left( P_j \right) \times 1 \right\}$$

$$\left\{ \left( P_i \right) \left( P_j \right) \circ \left( 1 - \frac{1}{(CBL)} \right)^2 \right\}$$

$$\left\{ \left( P_i \right) \left( P_j \right) \circ \left( 1 - \frac{1}{(CBL)} \right) \right\}$$

for all $i \neq j$ of the Aspect Primality of concern.

All the above computed Frequencies can be considered as the First Order Life Eigen Spectrum of the given Aspect as the First Order Life Eigen Spectrum of the given Aspect Primality $\{ S_i \}$ of concern could let us call this Set of Frequencies Primality $\{ S_i \}$ of concern could let us call this Set of Frequencies Primality $\{ S_i \}$. Now, for each of these values we can again find similarly $\{ S_i \} \circ \{ S_j \}$ till infinity. Alternatively, or more in Holiness, method.
consider finding the Primality of $\{5\}$, and for that set, we should find $\{5^2\}$, and so forth, i.e., following the sanctity of process—that we started with for finding $\{5\}$, in the first place. The computation of the Least Count followed in the section alternate to the next one.

**Critical Constraint For Constructing Aspect Primality with Life Primality**

For a given Aspect Primality of concern, we can find its Universal Recursion Scheme (New Updated Quantum Version coming soon) and can state it in the Basis of the Most Fundamental Basis, i.e., in the Basis of author’s ‘Universal Wave Equation of The Universe’ (New Version also coming soon) and can finally state this in the Least Count of the Basis of the Universal Recursion Scheme of Field Intensity Gradient Field Functions of the Star, Galaxy, Universe or just the Interstellar Galactic Space of concern in which the Aspect Primality of concern permeates in. Also, the aforementioned Double Sating Older can be optimized for best results as well.

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**Least Count of the Kth Order Life Primality Eigen Spectra Computed For A Given Aspect Primality Of Concern**

One can simply note that the LCM* (or the Value of $\{S\}$ wherein the LCM* notion is computed using author’s New Updated Quantum Universal Field Theory, 1971) concept can be considered as the Least Count In Universality of Kth Order Life Primality Eigen Spectra. In this fashion, one can calculate the Least Count of the Recursion of Field Intensity Gradient Function Primality of the Star.
Life Primality (continued)

Galaxy

One can also note that before one changes the basis mentioned in the First New Section on Page 8 of this research manuscript, we should also check if it is worthy, or not, and this aspect can be suitably reassumed when we sufficiently Evolve (or Develop, if necessary) the given Aspect Primality of concern, also if necessary along a Constrained & Directed Evolution Path for necessary & Desired Results. Significant input even regarding this Evolution (Constrained) Path can be gotten by Reverse Engineering of appropriate kind using authors' Universal Field Theory. For best results.

Example: Universal Ambient Space-Time Primality Based Engine

Using authors concepts stated in the research manuscript and also the research literature authored by the author in [8] and [9], one can easily design Universal Ambient Space-Time Primality Based Engine which gets its driving power from the Least Count of Primality of Life Eigen Function spectra of the Recreational Field Intensity Strength Gradient Spectra of a Star, Galaxy, Universe or just the Interstellar Galactic Space wherein the Engine Primality focuses in.

* For best results it is advised to state the Aspect Primality, etc.
References


8. www.vixra.org/author/ramesh_chandra_bagadi


Moral

Ekovaasi Sarva Bhootaan Antaraatmah (It is the One That Pervades All)

—-Ramesh Chandra Bagadi

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Tribute

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