Universal Aspect Recursion Scheme {Version 2}

December 2nd, 3rd 2015 Anno Domini and before.

Author: **Ramesh Chandra Bagadi**
Founder, Owner, Co-Director And Advising Scientist In Principal
Ramesh Bagadi Consulting LLC, Madison, Wisconsin-53715, United States Of America.
Email: rameshcbagadi@netscape.net

White Paper One {TRL 39 Version 2}
of
Ramesh Bagadi Consulting LLC, Advanced Concepts & Think-Tank,
Technology Assistance & Innovation Center, Madison, Wisconsin-53715,
United States Of America

Abstract

In this research manuscript, the author has presented a *Universal Aspect Recursion Scheme* which can be considered as the *Recursion Scheme* that is *Synonymous* with the '*Theory Of Everything*'.

Theory

Firstly, we consider a special kind of *Recursion Scheme(s)* denoted by

$${}^{R_{(l+1)(n-1)}}_{k=1} j_{RS_j} \leftrightarrow {}^{R_{(l)(n)}}_{k=2} (j-1)_{RS_{(j-1)}} \leftrightarrow {}^{R_{(l-1)(n)}}_{k=3} (j+1)_{RS_{(j+1)}}$$

where ${}_k j$ denotes the k^{th} *Number Value* {among the three number values ($k = 1, 2, 3$) representing any *Recursion Scheme* of concern, considered as we go along from *Left to Right*}

We now consider all the cases of the *Recursion Scheme* of the kind

$${}^{R_{(l+1)(n-1)}}_{k=1} j_{RS_j} \leftrightarrow {}^{R_{(l)(n)}}_{k=2} (j-1)_{RS_{(j-1)}} \leftrightarrow {}^{R_{(l-1)(n)}}_{k=3} (j+1)_{RS_{(j+1)}}$$

where, the *Evolution* (the values taken by j for each case of k) of j is given by the Recursion Scheme $j \leftrightarrow (j+1) \leftrightarrow (j-1)$ and

where, the *Evolution* (the values taken by l for each case of k) of l is given by the *Recursion Scheme* $l \leftrightarrow (l+1) \leftrightarrow (l-1)$ and

where, the *Evolution* (the values taken by n for each case of k) of n is given by the *Recursion Scheme* $n \leftrightarrow (n+1) \leftrightarrow (n-1)$ for *Each* of the

the *Grouping Scheme(s)* of j, l, n *Restricted* as

j	l	n	*Grouping Scheme*
0	+1	-1	$(j) \equiv (l+1) \equiv (n-1)$
0	-1	+1	$(j) \equiv (l-1) \equiv (n+1)$
+1	-1	0	$(j+1) \equiv (l-1) \equiv (n)$
+1	0	-1	$(j+1) \equiv (l) \equiv (n-1)$
-1	0	+1	$(j-1) \equiv (l) \equiv (n+1)$
-1	+1	0	$(j-1) \equiv (l+1) \equiv (n)$

(where j is simply an *Index* that represents any *Recursion Scheme* uniquely, once numbered along the many such *Recursion Schemes*, possibly, at our disposal)

for the thusly considered *Recursion Scheme*

$$\overset{R_{(l+1)(n-1)}}{\underset{k=1}{}} j_{RS_j} \leftrightarrow \overset{R_{(l)(n)}}{\underset{k=2}{}} (j-1)_{RS_{(j-1)}} \leftrightarrow \overset{R_{(l-1)(n)}}{\underset{k=3}{}} (j+1)_{RS_{(j+1)}}$$

as can be *Observed* in the *North West Indices* of the k^{th} *Number Values of the above considered Recursion Scheme*.

Notation:

In $R_{(l+1)(n-1)}$, $(l+1)$ denotes the *Order Number* Of the {*Higher Order Sequence Of Primes*} to which $\overset{R_{(l+1)(n-1)}}{\underset{k=1}{}} j_{RS_j}$ belongs and $(n-1)$ denotes the *Position Number* of α_{RS_j} along the *Prime Metric (Bases)* Of the {*Higher Order Sequence Of Primes*}to which $\overset{R_{(l+1)(n-1)}}{\underset{k=1}{}} j_{RS_j}$ belongs.

In $R_{(l)(n)}$, (l) denotes the *Order Number* Of the {*Higher Order Sequence Of Primes*}to which $\overset{R_{(l)(n)}}{\underset{k=2}{}} (j-1)_{RS_{(j-1)}}$ belongs and (n) denotes the *Position Number* of $\overset{R_{(l)(n)}}{\underset{k=2}{}} (j-1)_{RS_{(j-1)}}$ along the *Prime Metric (Bases)* Of the {*Higher Order Sequence Of Primes*}to which $\overset{R_{(l)(n)}}{\underset{k=2}{}} (j-1)_{RS_{(j-1)}}$ belongs.

In $R_{(l-1)(n)}$, $(l-1)$ denotes the *Order Number* Of the {*Higher Order Sequence Of Primes*}to which $\overset{R_{(l-1)(n)}}{\underset{k=3}{}} (j+1)_{RS_{(j+1)}}$ belongs and (n) denotes the *Position Number* of $\overset{R_{(l-1)(n)}}{\underset{k=3}{}} (j+1)_{RS_{(j+1)}}$ along the *Prime Metric (Bases)* Of the {*Higher Order Sequence Of Primes*}to which $\overset{R_{(l-1)(n)}}{\underset{k=3}{}} (j+1)_{RS_{(j+1)}}$ belongs.

Universal Aspect Recursion Scheme

Also, we consider another kind of *Recursion Scheme* given by

$$\overset{R_{(l+1)(n-1)}}{\underset{k=1}{}} j_{RS_j} \leftrightarrow \overset{R_{(l)(n)}}{\underset{k=2}{}} (j-1)_{RS_{(j-1)}} \leftrightarrow \overset{R_{(l-1)(n)}}{\underset{k=3}{}} (j+1)_{RS_{(j+1)}}$$

where, in each of the following *Grouping Scheme* stated below

j	l	n	*Grouping Scheme*
0	+1	-1	$(j)\equiv(l+1)\equiv(n-1)$
0	-1	+1	$(j)\equiv(l-1)\equiv(n+1)$
+1	-1	0	$(j+1)\equiv(l-1)\equiv(n)$
+1	0	-1	$(j+1)\equiv(l)\equiv(n-1)$
-1	0	+1	$(j-1)\equiv(l)\equiv(n+1)$
-1	+1	0	$(j-1)\equiv(l+1)\equiv(n)$

is *Re-Assigned* to *Each* of the *504* {see next page} Recursion Scheme(s)*

$R_{(l_1n_1)_{U\ of\ 504}} \leftrightarrow R_{(l_2n_2)_{U\ of\ 504}} \leftrightarrow R_{l_3n_{3U\ of\ 504}}$

can be used as *Re-Assignment* to $j \leftrightarrow (j+1) \leftrightarrow (j-1)$ with regards the *Variable* j where $R_{(l_1n_1)_{U\ of\ 504}}$ indicates the 1^{st} *First Value Index* of thusly computed U^{th} *Recursion Scheme* among the computed *504 Recursion Schemes,* $R_{(l_2n_2)_{U\ of\ 504}}$ indicates the 2^{nd} *First Value Index* of thusly computed U^{th} *Recursion Scheme* among the computed *504 Recursion Schemes and* $R_{(l_3n_3)_{U\ of\ 504}}$ indicates the 3^{rd} *First Value Index* of thusly computed U^{th} *Recursion Scheme* among the computed *504 Recursion Schemes,*

This also motivates us to consider this issue holistically. Therefore, One can construct *All Possible Recursion Schemes* using the following {*Shaded 9 Elements*} in the *Table* shown below which will give us *9x8x7=504* number of *Recursion Schemes* that can be built using the {*Shaded 9 Elements*} because among the three number values $(k=1, 2, 3)$ representing any *Recursion Scheme* of concern, considered as we go along from *Left to Right* of the *Recursion Scheme* considered, we can choose the *First Value* in *9 ways* (for our case) and having done that we can choose the *Second Value* in *8 ways* and having done that we can choose the *Third Value* in *7 ways*, and by the

Law Of Number Of Ways Of Conductance Of Any Experiment

The *Law Of Conductance Of Any Experiment* states that if an Experiment is conducted in N stages wherein each stage can be conducted in m_i ways (for $i=1$

to N, then, the entire Experiment can be conducted in $m_1 \times m_2 \times m_3 \times ..... \times m_{(M-1)} \times m_M$ number of ways.

	$R_{(\ )(n)}$	$R_{(\ )(n-1)}$	$R_{(\ )(n+1)}$
$R_{(l)(\ )}$	$R_{(l)(n)}$	$R_{(l)(n-1)}$	$R_{(l)(n+1)}$
$R_{(l-1)(\ )}$	$R_{(l-1)(n)}$	$R_{(l-1)(n-1)}$	$R_{(l-1)(n+1)}$
$R_{(l+1)(\ )}$	$R_{(l+1)(n)}$	$R_{(l+1)(n-1)}$	$R_{(l+1)(n+1)}$

and each of the Recursion Scheme constructed (there are taking distinct three elements from the {*Shaded 9 Elements*}them can be used as *Re-Assignment* to $j \leftrightarrow (j+1) \leftrightarrow (j-1)$ with regards the *Variable* j. One among them gives the *Best Case* of our *Universal Aspect Recursion Scheme*.

Let us represent this as

$R_{1Best} \leftrightarrow R_{2Best} \leftrightarrow R_{3Best}$

{For more on this see authors '*Universal Recursive Algorithmic Scheme To Generate Sequence Of Primes Of R^th Order Space*'}

Conclusion

One can note that the above slated *Universal Aspect Recursion Scheme* be used to *Express Any Aspect* of concern, inclusive of the '*Theory Of Everything*'.

Moral

A Man Is Measured By The Amount Of Life He Creates And Sustains.

References

[34] viXra:1511.0008
http://www.vixra.org/abs/1511.0008
Universal Aspect Recursion Scheme {Version 1}
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[33] viXra:1511.0238
http://www.vixra.org/abs/1511.0238
Your Good Nature Is Your Real Wealth
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[32] viXra:1511.0228
http://www.vixra.org/abs/1511.0228
Relativistic Transformations In Standard Prime Metric And/ Or Reverse Prime Metric Within Some Selected Domains Of Complementable Bounds
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[31] viXra:1511.0213
http://www.vixra.org/abs/1511.0213
Living A Happy Life (Version 4)
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[30] viXra:1511.0203
http://www.vixra.org/abs/1511.0203
Evolution Through Quantization (Version III)
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[29] viXra:1511.0190
http://www.vixra.org/abs/1511.0190
R^{th} Order Space Sequence Of Primes Based Prime Metric Algebra
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[28] viXra:1511.0133
http://www.vixra.org/abs/1511.0133

Universal Recursive Tessellation Based Scheme To Derive The Evolution Scheme Of Any Aspect Set Of Concern {Evolution Through Quantization (Version Two)}
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[27] viXra:1511.0119
http://www.vixra.org/abs/1511.0119
Living A Happy Life (Version III)
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[26] viXra:1511.0120
http://www.vixra.org/abs/1511.0120
Living A Happy Life (Version II)
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[25] viXra:1511.0109
http://www.vixra.org/abs/1511.0109
Living A Happy Life
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[24] viXra:1511.0054
http://www.vixra.org/abs/1511.0054
Universal Recursive Algorithmic Scheme To Generate The Sequence Of Primes {Of Second (2^{nd}) Order Space}
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[23] viXra:1510.0514
http://www.vixra.org/abs/1510.0514
Fulfill Your Life (Version 3)
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[22] viXra:1510.0428
http://www.vixra.org/abs/1510.0428

Theory Of 'Complementable Bounds' And 'Universe(s) In Parallel' Of Any Sequence Of Primes Of R^{th} Order Space
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[21] viXra:1510.0427
http://www.vixra.org/abs/1510.0427
The Synonymity Between The Five Elements Of (At) Planet Earth And The Five Digits Of Human Palm
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[20] viXra:1510.0395
http://www.vixra.org/abs/1510.0395
Genuinity Validation Of Any 'Original Work Consciousness Of Concern' And Decorrupting 'Corrupted Original Work Consciousness'
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[19] viXra:1510.0391
http://www.vixra.org/abs/1510.0391
Musical Life (Version II)
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[18] viXra:1510.0384
http://www.vixra.org/abs/1510.0384
Musical Life
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[17] viXra:1510.0378
http://www.vixra.org/abs/1510.0378
The Universal Wave Function Of The Universe (Verbose Form)
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[16] viXra:1510.0353

http://www.vixra.org/abs/1510.0353
Fulfill Your Life (Version 2)
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[15] viXra:1510.0342
http://www.vixra.org/abs/1510.0342
Fulfill Your Life
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[14] viXra:1510.0327
http://www.vixra.org/abs/1510.0327
Quantized Variable Dimensional Equivalents Of Any Technology Of Concern : An Example Of The (William F. Baker)'s Buttressed Core Design Concept
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[13] viXra:1510.0144
http://www.vixra.org/abs/1510.0144
Evolution Through Quantization
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[12] viXra:1510.0130
http://www.vixra.org/abs/1510.0130
Time Evolution Juxtaposition Of The Observables Based Dirac Type Commutator And The Consequential Wave Equation Of Photon
Authors: Ramesh Chandra Bagadi
Category: Mathematical Physics

[11] viXra:1510.0126
http://www.vixra.org/abs/1510.0126
A Condition For The Suspension Of Gravitational Field
Authors: Ramesh Chandra Bagadi
Category: Classical Physics

[10] viXra:1510.0117

http://www.vixra.org/abs/1510.0117
Some Basic Definitions Of Fractional Calculus
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[9] viXra:1510.0096
http://www.vixra.org/abs/1510.0096
Universal Recursive Crossing Science Of Genetic Kind
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[8] viXra:1510.0091
http://www.vixra.org/abs/1510.0091
Recursive Consecutive Element Differential Of Prime Sequence (And/ Or Prime Sequences In Higher Order Spaces) Based Instantaneous Cumulative Imaging Of Any Set Of Concern
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[7] viXra:1510.0059
http://www.vixra.org/abs/1510.059
Complete Recursive Subsets Of Any Set Of Concern And/ Or Orthogonal Universes In Parallel Of Any Set Of Concern In Completeness (Version II)
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[6] viXra:1510.0054
http://www.vixra.org/abs/1510.0054
All You Need to Know About Euclidean and Euclidean Type Inner Product Scheme
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[5] viXra:1510.0031
http://www.vixra.org/abs/1510.0031
Complete Recursive Subsets Of Any Set Of Concern And/ Or Orthogonal Universes In Parallel Of Any Set Of Concern In Completeness

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[4] viXra:1510.0030
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
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[3] viXra:1510.0006
http://www.vixra.org/abs/1510.0006
Universal Natural Recursion Schemes Of Rth Order Space
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[2] viXra:1509.0291
http://www.vixra.org/abs/1510.0291
The Prime Sequence's (Of Higher Order Space's) Generating Algorithm
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[1] viXra:1502.0100
http://www.vixra.org/abs/1502.0100
The Prime Sequence Generating Algorithm
Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[0] arXiv:1009.3809v1 CS.DS
http://www.arxiv.org/abs/1009.3809v1
One, Two, Three And N-Dimensional String Searching Algorithms
Authors: Ramesh Chandra Bagadi
Category: Computer Science: Data Structures

Acknowledgements

The author would like to express his deepest gratitude to all the members of his loving family, respectable teachers, en-dear-able friends, inspiring Social Figures, highly esteemed Professors, reverence deserving Deities that have deeply contributed in the formation of the necessary scientific temperament and the social and personal outlook of the author that has resulted in the conception, preparation and authoring of this research manuscript document.

Tribute

The author pays his sincere tribute to all those dedicated and sincere folk of academia, industry and elsewhere who have sacrificed a lot of their structured leisure time and have painstakingly authored treatises on Science, Engineering, Mathematics, Art and Philosophy covering all the developments from time immemorial until then, in their supreme works. It is standing on such treasure of foundation of knowledge, aided with an iota of personal god-gifted creativity that the author bases his foray of wild excursions into the understanding of natural phenomenon and forms new premises and scientifically surmises plausible laws. The author strongly reiterates his sense of gratitude and infinite indebtedness to all such 'Philosophical Statesmen' that are evergreen personal librarians of Science, Art, Mathematics and Philosophy.