Universal Aspect Recursion Scheme {Version I}

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Abstract

In this research manuscript, the author has presented an 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 Schemes* denoted by

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

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*} of *Recursion Scheme1* considered in the Set S.

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

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

where, the *Evolution*(the values taken by j along 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 along 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 along k) of n is given by the *Recursion Scheme* $n \leftrightarrow (n+1) \leftrightarrow (n-1)$while

the*Grouping* of j, l, n is *Restricted* as

$$j \equiv (l+1) \equiv (n-1)$$

(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*

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

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

One can also consider the cases of the above *Recursion Scheme* for the *Grouping Scheme* given by

$j \equiv (l-1) \equiv (n+1)$

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

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

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

wherein

$j \leftrightarrow (j+1) \leftrightarrow (j-1)$ is *Re-Assigned* to the *Recursion Scheme(s)*

$0 \leftrightarrow 1 \leftrightarrow 6$

$1 \leftrightarrow 1 \leftrightarrow 6$

$6 \leftrightarrow 2 \leftrightarrow 2$

The above three *Recursion Schemes* give only *Colloquial Results*, i.e., not very accurate results.

Or

$R_{(l)(n)} \leftrightarrow R_{(l-1)(n-1)} \leftrightarrow R_{(l+1)(n+1)}$ can be used as *Re-Assignment* to $j \leftrightarrow (j+1) \leftrightarrow (j-1)$ with regards the *Variable* j. 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

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

And each of 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*.

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

Notation:

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

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

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

Conclusion

One can note that the above stated scheme for *Evaluation Of The Best CaseRecursion Scheme(s)*

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

forthe *Grouping* of j, l, n is *Restricted* as

$j \equiv (l+1) \equiv (n-1)$

And also the *Recursion Scheme(s)for the Grouping* of j, l, n is *Restricted* as

$j \equiv (l-1) \equiv (n+1)$

Can be used to *ExpressAny Aspect* inclusive of a '*Theory Of Everything*'.

Moral

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

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