

*Universal Recursive Scheme To Generate The Sequence Of Primes Of Any Order
{ Say, R^{th} } Space*

December 21st 2015 Anno Domini

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 59}

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 detailed a ‘*Universal Recursive Scheme To Generate The Sequence Of Primes Of Any Order {Say, R^{th} } Space*’.

Theory

Firstly, we present some *Definition*,

Definition 1

The First Prime of any R^{th} Order Space Sequence Of Primes can be Computed by simply considering Consecutively (R-1) Number of Primes of 2nd Order Space Sequence Of Primes, starting from the First Prime of 2nd Order Space Sequence Of Primes, i.e., 2 and Forming a Product Term of the Form

*$\overbrace{2 \times 3 \times 5 \times 7 \times \dots \times \{p_{(R-3)}\} \times \{p_{(R-2)}\} \times \{p_{(R-1)}\}}^{(R-1) \text{ Number Of Product Forming Factors}}$ which becomes the *First Prime of any R^{th} Order Space Sequence Of Primes* as it cannot be factored in terms of R Number of Unique Factors. We Label this Number as ${}^R p_1$.*

We also note that the above denoted $p_{(R-i)}$ is an $(R-i)^{th}$ Prime of Sequence Of Primes of 2nd Order Space.

Definition 2

The Second Prime of any R^{th} Order Space Sequence Of Primes can be Computed by simply considering Consecutively (R-1) Number of Primes of 2nd Order Space Sequence Of Primes, starting from the First Prime of 2nd Order Space Sequence Of Primes, i.e., 2 and Forming a Product Term of the Form

*$\overbrace{2 \times 3 \times 5 \times 7 \times \dots \times \{p_{(R-3)}\} \times \{p_{(R-2)}\} \times \{p_{(R)}\}}^{(R-1) \text{ Number Of Product Forming Factors}}$ which becomes the *Second Prime of any R^{th} Order Space Sequence Of Primes* as it cannot be factored in terms of R Number of Unique Factors. We Label this Number as ${}^R p_2$.*

We also note that the above denoted $p_{(R-i)}$ is an $(R-i)^{th}$ Prime of Sequence Of Primes of 2nd Order Space.

Definition 3

The Third Prime of any R^{th} Order Space Sequence Of Primes can be Computed by simply considering Consecutively $(R-1)$ Number of Primes of 2^{nd} Order Space Sequence Of Primes, starting from the First Prime of 2^{nd} Order Space Sequence Of Primes, i.e., 2 and Forming a Product Term of the Form

$\overbrace{2 \times 3 \times 5 \times 7 \times \dots \times \{p_{(R-3)}\} \times \{p_{(R-2)}\} \times \{p_{(R-1)}\}}^{(R-1) \text{ Number Of Product Forming Factors}}$ which becomes the Second Prime of any R^{th} Order Space Sequence Of Primes as it cannot be factored in terms of R Number of Unique Factors. We Label this Number as ${}^R p_3$.

We also note that the above denoted $p_{(R-i)}$ is an $(R-i)^{\text{th}}$ Prime of Sequence Of Primes of 2^{nd} Order Space.

We now consider the thusly computed First Three Consecutive Primes of R^{th} Order Space Sequence Of Primes, i.e., ${}^R p_1$, ${}^R p_2$, and ${}^R p_3$ and Follow Author's 'Universal Recursive Algorithmic Scheme To Generate The Sequence Of Primes {Of Second (2^{nd}) Order Space}'[24], to Generate the Complete Sequence Of Primes Of R^{th} Order Space, Up To Any Desired Limit.

Conclusion

One can note that the Elements Belonging to the above type of Computed Sequences Of Primes Of Higher Order Space(s) have Significance in Forming and/or Understanding Higher Order Dimensional Manifestations that can be Envisioned and/or Modeled by using these elements to form our Primality Set, i.e., Hyper-Primality Set of Any Aspect of concern Spanning its Manifestations Through Higher Order Space(s) as well.

Moral

A Hungry Man Knows Best About Where And How To Find Food.

References

{http://www.vixra.org/author/ramesh_chandra_bagadi}

[52] viXra:1512.0377
<http://www.vixra.org/abs/1512.0377>

Karma-Falam. Why-To.

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[51] viXra:1512.0359
<http://www.vixra.org/abs/1512.0358>

Universal Recursive Scale Shifting Technique. Universal Recursion Scheme That Is Vertically {Maximally} Evolving {10-3-105}-{6-2-15}-{14-5-385}

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[50] viXra:1512.
<http://www.vixra.org/abs/1512>.

Removing And/ Or Minimizing The Redundancies In The Primality Of Any Aspect Of Concern {Version II}

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[49] viXra:1512.0350
<http://www.vixra.org/abs/1512.0350>

Removing And/ Or Minimizing The Redundancies In The Primality Of Any Aspect Of Concern

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[48] viXra:1512.0345
<http://www.vixra.org/abs/1512.0345>

Universal Daily Wage Labour Work Order(s) Placed Instantaneous Quantification And Exigent Work Order(s) Realization Facilitation System

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[47] viXra:1512.0336
<http://www.vixra.org/abs/1512.0336>

The First Meaning(s) Of All The English Alphabet(s)

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[46] viXra:1512.0323

<http://www.vixra.org/abs/1512.0323>

Recommended Human Conduct

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[45] viXra:1512.0318

<http://www.vixra.org/abs/1512.0318>

Knowing The Infinitely Deeper Meaning. An Example Of Natural Memory Embedding

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[44] viXra:1512.0312

<http://www.vixra.org/abs/1512.0312>

On The Governmental Policy Of Acquiring And/ Or Purchase Of Individual Citizen Property For Governmental Reforms {Version I}

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[43] viXra:1512.0313

<http://www.vixra.org/abs/1512.0313>

‘Knowing The Infinitely Deeper Meaning. Universal Infinite Logic Distiller-I’

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[42] viXra:1512.0305

<http://www.vixra.org/abs/1512.0305>

‘Universal Light Type Holistic Reference Frames For Characterizing Universal Electro-Magnetic Phenomena’

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[41] viXra:1512.0299

<http://www.vixra.org/abs/1512.0299>

‘Maximizing Relativistic Electro-Magnetic Fringe Displacement Effect Width’

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[40] viXra:1512.0288

<http://www.vixra.org/abs/1512.0288>

‘Representation Of Alphabets By Prime Numbers’ Primality Engineering –I’

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[39] viXra:1512.0268

<http://www.vixra.org/abs/1512.0268>

‘Theory Of Evolution Based On Consecutive Asymmetric Imaging Technique’

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[38] viXra:1512.0235

<http://www.vixra.org/abs/1512.0235>

‘Truth Assessment Of Any Consciousness Information’

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[37] viXra:1512.0218

<http://www.vixra.org/abs/1512.0218>

‘Pi’, i.e., π i.e., $\pi(2)$ Value And/ Or Its Higher Order Equivalentents i.e., $\pi(N)$ Precision Increase Based Refinement Of Any Primality And/ Or Any Recursion Scheme Of Any Aspect Of Concern

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[36] viXra:1512.0117

<http://www.vixra.org/abs/1512.0117>

Flood Proof City Design. Instantaneous Flood Water Draining System Theory

Authors:Ramesh Chandra Bagadi

Category:General Mathematics

[35] viXra:1512.0021
<http://www.vixra.org/abs/1512.0021>
Universal Aspect Recursion Scheme {Version 2}
Authors:Ramesh Chandra Bagadi
Category:General Mathematics

[34] viXra:1512.0008
<http://www.vixra.org/abs/1512.0008>
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>

RthOrder 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 (2nd) 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 Decorruping '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 Equivalentents 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/1510.0059>
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 R^{th} 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.

	L	
°R°	°C°	°B°
	O	

04:42-05:12

I
I
I
I

21:50-24:40