

Ramesh Chandra Bagadi

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

Universal Reach Address:
URL8.0, U8.0 of the stated Spaces in [0]

EkoVaasiSarvaBhoothaanAntaraatmah
(It Is The One That Pervades All)



Your Grace Is Your Lord

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)

Email:
rameshcbagadi@uwalumni.com

TRL Positive Real Order Universal Sequence Of Primes Finding Algorithm. (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:
URL8.0, U8.0 of the stated Spaces in [0]



NOTICE OF IMPORTANCE

The author reiterates that the following research manuscript is authored solely by the author **Ramesh Chandra Bagadi**, i.e., the Sole Consciousness of himself in Primaryness and all else in appropriate Polynaryness called for by the Causality Flow of Time considered in Universality. One can note that All Causal Constructs (either in Evolved Or Devolved Forms of the research concepts stated by the author herein) of this author's Original ResearchWork shall only be considered by the author in Secondaryness Or/ And Polynaryness, only following the author as the necessary and socially advantageous and useful Retinue. The aforementioned Causal Constructs imply to the case of Time Tense Flow in either Directions, i.e., Present to the Past and also Past (Or/ And Present) to the Future.

Ramesh Chandra Bagadi

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



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:
URL8.0, U8.0 of the stated Spaces in [0]

Your Grace Is Your Lord

Email:
rameshcbagadi@uwalumni.com

EkoVaasiSarvaBhoothaanAntaraatmah
(It Is The One That Pervades All)

RL ①

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

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:
URL8.0, U8.0 of the stated Spaces in [0]

Your Grace Is Your Lord

Email:
rameshcbagadi@uwalumni.com

Positive Real Order Universal Sequence of Primes Finding Algorithm

One can note from author's [1] that Universal Sequences of Primes can belong to any Positive Integer Order and a method of finding the same for the case of Order > 2 has been detailed in [1]. Also, for the case of Order $= 2$, the literature has been detailed in author's [2]. Now, in this Research Manuscript, the author details the analysis of case of order > 2 wherein an Alternative Method other than detailed in [1] and the same Schema has been extended to analyze the case of Positive Real Order case, i.e., Fractional Order case.

From [2] of the author, we can note that, considering the first three Primes (Standard) of 2nd order, we can arrange them as follows:

$$\begin{matrix} (3-2)=1 & (5-2)=3 \\ 3 \leftrightarrow 2 \leftrightarrow 5 \end{matrix} \Rightarrow (1)+(3) + (3 \text{ or } 2 \text{ or } 5)$$

wherein the differences between (3 & 2) and (5 & 2) are also detailed therein. Now to get the next element of this Sequence of 2, 3, 5 which has been arranged as $3 \leftrightarrow 2 \leftrightarrow 5$, we need to add those afore-found differences $(1+3=4)$ to either of the three numbers 3, or 2 or 5 which gives a Prime Nearest to 5. In this case $4+3=7$ gives as a Prime nearest to 5.

The same above Scheme can also be extended to be applicable to Positive Integer order Universal Sequence of Prime case. Now, we simply consider 6, 10, 14 and 15 which are the first 4 Primes of 3rd order (i.e., $6=3 \times 2$, $10=2 \times 5$, $14=2 \times 7$, $15=3 \times 5$) and arrange them in a similar order as before, i.e., as

$$\begin{matrix} (10-6)=4 & (14-6)=8 \\ 10 \leftrightarrow 6 \leftrightarrow 14 \end{matrix} \Rightarrow (4+8) + \left(\frac{10}{2} \text{ or } \frac{6}{2} \text{ or } \frac{14}{2} \right)$$

where the respect 2 using which we divide 10, 6, 14 can be considered as (Order-1) or the Number of 2nd Order Prime Factors 10, 6, 14 can be expressed as. Now to converge onto the Real Correct choice - RL

The author reiterates that the following research manuscript is authored solely by the author **Ramesh Chandra Bagadi**, i.e., the Sole Consciousness of himself in Primaryness and all else in appropriate Polynaryness called for by the Causality Flow of Time considered in Universality. One can note that All Causal Constructs (either in Evolved Or Devolved Forms of the research concepts stated by the author herein) of this author's Original ResearchWork shall only be considered by the author in Secondaryness Or/ And Polynaryness, only following the author as the necessary and socially advantageous and useful Retinue. The aforementioned Causal Constructs imply to the case of Time Tense Flow in either Directions, i.e., Present to the Past and also Past (Or/ And Present) to the Future.

Ramesh Chandra Bagadi

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



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:
URL8.0, U8.0 of the stated Spaces in [0]

Your Grace Is Your Lord

Email:
rameshcbagadi@uwalumni.com

EkoVaasiSarvaBhoothaanAntaraatmah
(It Is The One That Pervades All)

RL ②

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

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:
URL8.0, U8.0 of the stated Spaces in [0]

Your Grace Is Your Lord

Email:
rameshcbagadi@uwalumni.com

Positive Real Order Universal Sequence of Primes Finding Algorithm (Continued)

we perform a test wherein when the aforementioned differences when added up and added to the correct choice makes this number factorizable as (Order-1) Number of Factors (2nd Order Prime) when considered as a Product. Also, we can pick the final value gotten by going through each choice and can use the first (Order-2) Number of Prime Factors (of 2nd Order) and can note which choice factors well as the one having appropriate number of Prime Factors, and also is nearest to the appropriate Order of Prime whose next term we are finding. Also, if the choice (after appropriate summing up here, in this context) does not factorize at all, the choice must be left out.

In a Similar Fashion, we can Generalize the Scheme as Follows:

$$N_{x_i} \leftrightarrow N_{x_{i-1}} \leftrightarrow N_{x_{i+1}} \Rightarrow N_{x_{i+2}} \text{ such that}$$

$$N_{x_{i+2}} = (N_{x_i} - N_{x_{i-1}}) + (N_{x_{i+1}} - N_{x_{i-1}}) + \left\{ \frac{N_{x_i}}{(N-1)} \text{ or } \frac{N_{x_{i-1}}}{(N-1)} \text{ or } \frac{N_{x_{i+1}}}{(N-1)} \right\}$$

such that $N_{x_{i+2}}$ is nearest to $N_{x_{i+1}}$ and also is a Prime of N^{th} Order Sequence of Primes. Also the above Formula is valid when the Second Order Sequence of Primes are considered to the Standard Primes (2, 3, 5, 7, 11, 13, 17, 19, - - - - -) we know of.

Again in a Similar Fashion, we can Generalize the Scheme for the case of Analysis of Positive Real Order Sequence of Primes as follows:

$$(N+\alpha)_{x_i} \leftrightarrow (N+\alpha)_{x_{i-1}} \leftrightarrow (N+\alpha)_{x_{i+1}} \Rightarrow (N+\alpha)_{x_{i+2}} \text{ such that}$$

$$(N+\alpha)_{x_{i+2}} = (N+\alpha)_{x_i} - (N+\alpha)_{x_{i-1}} + (N+\alpha)_{x_{i+1}} - (N+\alpha)_{x_{i-1}} + \left\{ \frac{(N+\alpha)_{x_i}}{(N+\alpha)} \text{ or } \frac{(N+\alpha)_{x_{i-1}}}{(N+\alpha)} \text{ or } \frac{(N+\alpha)_{x_{i+1}}}{(N+\alpha)} \right\}$$

such that $(N+\alpha)_{x_{i+2}}$ is nearest to $(N+\alpha)_{x_{i+1}}$ and also is a Prime RL

The author reiterates that the following research manuscript is authored solely by the author **Ramesh Chandra Bagadi**, i.e., the Sole Consciousness of himself in Primaryness and all else in appropriate Polynaryness called for by the Causality Flow of Time considered in Universality. One can note that All Causal Constructs (either in Evolved Or Devolved Forms of the research concepts stated by the author herein) of this author's Original ResearchWork shall only be considered by the author in Secondaryness Or/ And Polynaryness, only following the author as the necessary and socially advantageous and useful Retinue. The aforementioned Causal Constructs imply to the case of Time Tense Flow in either Directions, i.e., Present to the Past and also Past (Or/ And Present) to the Future.

Ramesh Chandra Bagadi

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



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:
URL8.0, U8.0 of the stated Spaces in [0]

Your Grace Is Your Lord

Email:
rameshcbagadi@uwalumni.com

EkoVaasiSarvaBhoothaanAntaraatmah
(It Is The One That Pervades All)

RL ③

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

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:
URL8.0, U8.0 of the stated Spaces in [0]

Your Grace Is Your Lord

Email:
rameshcbagadi@uwalumni.com

Positive Real Order Universal Sequence of Primes Finding Algorithm

of $(N+d)$ th Order Sequence of Primes. Here N is a Positive Integer
and $(0 < d < 1)$. Furthermore, $(N+d)x_i$, $(N+d)x_{i+1}$, $(N+d)x_{i+2}$ can be
found approximately using Interpolation in the following fashion:

$$(N+d)x_i = d \left((N+1)x_i - N x_i \right) + N x_i$$

[Now, Regarding choosing the correct factor, we can choose the
same choice ^(equivalently to) as the one nearest to the Integer Order choice
nearest to the Fractional order. (Not a Strict Rule).]

Alternately, since we can find $N x_{i+2}$ and $(N+1)x_{i+2}$ we can
find $(N+d)x_{i+2}$ using the above Interpolation Formula and
using this value, we can orient ourselves in picking the correct
choice.

-RL

The author reiterates that the following research manuscript is authored solely by the author **Ramesh Chandra Bagadi**, i.e., the Sole Consciousness of himself in Primaryness and all else in appropriate Polynaryness called for by the Causality Flow of Time considered in Universality. One can note that All Causal Constructs (either in Evolved Or Devolved Forms of the research concepts stated by the author herein) of this author's Original ResearchWork shall only be considered by the author in Secondaryness Or/ And Polynaryness, only following the author as the necessary and socially advantageous and useful Retinue. The aforementioned Causal Constructs imply to the case of Time Tense Flow in either Directions, i.e., Present to the Past and also Past (Or/ And Present) to the Future.

Ramesh Chandra Bagadi

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

Universal Reach Address:
URL8.0, U8.0 of the stated Spaces in [0]

EkoVaasiSarvaBhoothaanAntaraatmah
(It Is The One That Pervades All)



Your Grace Is Your Lord

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)

Email:
rameshcbagadi@uwalumni.com

References

0.Bagadi, R. (2016). TRL The Universal Recursive Access Technology Even Through Quantum Lenses. (Universal Engineering Series). ISSN 1751-3030. PHILICA.COM

Article number 671.

http://www.philica.com/display_article.php?article_id=671

1.a.Bagadi, R. (2016). TRL Recursive Scheme To Generate The Sequence Of Primes Of Any Desired Order (Inclusive Of Fractional Order). (Universal Engineering Series). ISSN 1751-3030.. *PHILICA.COM Article number 763.*

1.b. Bagadi, R. (2016). TRL Universal Recursion Scheme. Universal Field Theory. (Universal Engineering Series). ISSN 1751-3030. *PHILICA.COM Article number 765.*

1.c.Bagadi, R. (2016). TRL Recursive Scheme For Computation Of The Universal Recursion Scheme Of Any Given Finite Sequence Set Of Concern. (Universal Engineering Series). ISSN 1751-3030. *PHILICA.COM Article number 767.*

1.d.Bagadi, R. (2016). TRL Universal Recursive Scheme To Generate The Entire Sequence Of Primes Of Any Real Order Up To A Specified Limit. (Universal Engineering Series). ISSN 1751-3030.. *PHILICA.COM Article number 772.* (Main Reference)

2.Bagadi,R. (2016). Field(s) Of Sequence(s) Of Primes Of Positive Integral Higher Order Space(s). *PHILICA.COM Article number 622.*

3.<http://philica.com/advancedsearch.php?author=12897>

4.www.vixra.org/author/ramesh_chandra_bagadi

NOTICE OF IMPORTANCE

The author reiterates that the following research manuscript is authored solely by the author **Ramesh Chandra Bagadi**, i.e., the Sole Consciousness of himself in Primaryness and all else in appropriate Polynaryness called for by the Causality Flow of Time considered in Universality. One can note that All Causal Constructs (either in Evolved Or Devolved Forms of the research concepts stated by the author herein) of this author's Original ResearchWork shall only be considered by the author in Secondaryness Or/ And Polynaryness, only following the author as the necessary and socially advantageous and useful Retinue. The aforementioned Causal Constructs imply to the case of Time Tense Flow in either Directions, i.e., Present to the Past and also Past (Or/ And Present) to the Future.

Ramesh Chandra Bagadi

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

Universal Reach Address:
URL8.0, U8.0 of the stated Spaces in [0]

EkoVaasiSarvaBhoothaanAntaraatmah
(It Is The One That Pervades All)



Your Grace Is Your Lord

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)

Email:
rameshcbagadi@uwalumni.com

Moral

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

—Ramesh Chandra Bagadi

Acknowledgements

The author would like to express his deepest gratitude to all the members of his Loving Family (especially my wife *Radha Boddepalli*, sisters *Vimala Chandrika Bagadi*, *Vasantha Lakshmi Bagadi*, mother *Damayanthi Paila* and Father *Ananda Rao Bagadi*), 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.

NOTICE OF IMPORTANCE

The author reiterates that the following research manuscript is authored solely by the author **Ramesh Chandra Bagadi**, i.e., the Sole Consciousness of himself in Primaryness and all else in appropriate Polynaryness called for by the Causality Flow of Time considered in Universality. One can note that All Causal Constructs (either in Evolved Or Devolved Forms of the research concepts stated by the author herein) of this author's Original ResearchWork shall only be considered by the author in Secondaryness Or/ And Polynaryness, only following the author as the necessary and socially advantageous and useful Retinue. The aforementioned Causal Constructs imply to the case of Time Tense Flow in either Directions, i.e., Present to the Past and also Past (Or/ And Present) to the Future.