

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 Universal Recursive Sub-Sets And Super-Sets Of A Set In 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:
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.

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

Universal Recursive Sub-Sets Of A Set In Completion.

Firstly, For the given Set S , we find its $(G + g)$ where G is a Positive Integer and $(0 \leq g < 1)$ using author's *Universal Field Theory*, detailed in [1]. Here, $(G + g)$ is the Real Order of the Universal Sequence of Primes, the first N_S of them being the Elements of S , where N_S is the Cardinality of S . That is, the Real Order $(G + g)$ can be used to generate the Set S .

Case1:

Since, the Real Order $(G + g)$ can be used to generate the Set S , the Real Order $((G + g) - r)$ can be used to generate the Set S_{-r} , which is the r^{th} Complete Recursive Sub-Set of Type 1 of the given Set S . Here, r is a Positive Integer.

Case 2:

Since, the Real Order $(G + g)$ can be used to generate the Set S , the Real Order $\left(\frac{(G + g)}{r}\right)$ can be used to generate the Set S_{-r} , which is the r^{th} Complete Recursive Sub-Set of Type 2 of the given Set S .

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]

EkoVaasiSarvaBhoothaan.Antaraatmah
(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

Case 3:

Since, the Real Order $(G + g)$ can be used to generate the Set S , the Real

Order $\left(\frac{(G + g)}{(G+g) p_k} \right)$ can be used to generate the Set \tilde{S}_{-k} which is the k^{th}

Complete Recursive Sub-Set of Type 3 of the given Set S .

Here, the Notation $^{(G+g)} p_k$ implies that the Set S which has been arranged in
Increasing Order has been multiplied by a constant such that its First Element

becomes Unity, and $^{(G+g)} p_k$ is the k^{th} Element of thusly modified Set S .

Case 4:

Since, the Real Order $(G + g)$ can be used to generate the Set S , the Real

Order $\left(\frac{(G + g)}{(G+g) p_k} \right)$ can be used to generate the Set S_{-k} which is the k^{th}

Complete Recursive Sub-Set of Type 4 of the given Set S .

Here, the Notation $^{(G+g)} p_k$ implies that the Set S which has been arranged in
Increasing Order has been multiplied by a constant such that its First Element

becomes Unity, and $^{(G+g)} p_k$ is the k^{th} Element of thusly modified Set S .

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]

EkoVaasiSarvaBhoothaan.Antaraatmah
(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

Case 5: Here, we consider the ${}^{(Q+q)}p_m$ of the Number $(G + g)$ and find the Previous Prime Metric Element ${}^{(Q+q)}p_{(m-1)}$. This can be called as $(G + g)_{-1}$ which can be used to generate the First Complete Recursive Sub-Set of the given Set S . In a similar manner, we can find Prime Metric Element ${}^{(Q+q)}p_{(m-d)}$ which can be called as $(G + g)_{-d}$ which can be used to generate the d^{th} Complete Recursive Sub-Set of the given Set S .

Universal Recursive Super-Sets Of A Set In Completion.

Firstly, For the given Set S , we find its $(G + g)$ where G is a Positive Integer and $(0 \leq g < 1)$ using author's *Universal Field Theory*, detailed in [1]. Here, $(G + g)$ is the Real Order of the Universal Sequence of Primes, the first N_S of them being the Elements of S , where N_S is the Cardinality of S . That is, the Real Order $(G + g)$ can be used to generate the Set S .

Case 1:

Since, the Real Order $(G + g)$ can be used to generate the Set S , the Real Order $((G + g) + r)$ can be used to generate the Set S_{+r} which is the r^{th} Complete Recursive Super-Set of Type 1 of the given Set S . Here, r is a Positive Integer.

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)

Email:
rameshcbagadi@uwalumni.com

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

Your Grace Is Your Lord

EkoVaasiSarvaBhoothaanAntaraatmah
(It Is The One That Pervades All)

Case 2:

Since, the Real Order $(G + g)$ can be used to generate the Set S , the Real Order $(r(G + g))$ can be used to generate the Set S_r which is the r^{th} Complete Recursive Super-Set of Type 2 of the given Set S .

Case 3:

Since, the Real Order $(G + g)$ can be used to generate the Set S , the Real Order $\left({}^{(G+g)}\tilde{p}_k(G + g) \right)$ can be used to generate the Set \tilde{S}_k which is the k^{th} Complete Recursive Super-Set of Type 3 of the given Set S .

Here, the Notation ${}^{(G+g)}\tilde{p}_k$ implies that the Set S which has been arranged in Increasing Order has been multiplied by a constant such that its First Element becomes Unity, and ${}^{(G+g)}\tilde{p}_k$ is the k^{th} Element of thusly modified Set S .

Case 4:

Since, the Real Order $(G + g)$ can be used to generate the Set S , the Real Order $\left({}^{(G+g)}p_k(G + g) \right)$ can be used to generate the Set S_k which is the k^{th} Complete Recursive Super-Set of Type 4 of the given Set S .

Here, the Notation ${}^{(G+g)}p_k$ implies that the Set S which has been arranged in Increasing Order has been multiplied by a constant such that its First Element becomes Unity, and ${}^{(G+g)}p_k$ is the k^{th} Element of thusly modified Set S .

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's 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

Case 5: Here, we consider the ${}^{(Q+q)}P_m$ of the Number $(G + g)$ and find the Next Prime Metric Element ${}^{(Q+q)}P_{(m+1)}$. This can be called as $(G + g)_{+1}$ which can be used to generate the First Complete Recursive Super-Set of the given Set S . In a similar manner, we can find Prime Metric Element ${}^{(Q+q)}P_{(m+d)}$ which can be called as $(G + g)_{+d}$ which can be used to generate the d^{th} Complete Recursive Sub-Set of the given Set S .

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. Universal Field Theory (New)

<http://www.vixra.org/abs/1612.0065>

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

4. www.vixra.org/author/ramesh_chandra_bagadi

Moral

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

—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

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.