Primeness Test {Version II}

February 26th, 27th, 28th, 29th 2016 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@uwalumni.com

White Paper One {TRL120}
of
Ramesh Bagadi Consulting LLC, Advanced Concepts & Think-Tank,
Technology Assistance & Innovation Center, Madison, Wisconsin-53715,
United States Of America

Abstract

In this research investigation, the author presents a '*Primeness Test*' which can be used to test if any given number is Prime.

Theory

Given any number p_n, usually written in Base 10 as

$p_n = a_k a_{k-1} a_{k-2} .... a_3 a_2 a_1 a_0$ where

$$a_k a_{k-1} a_{k-2} .... a_3 a_2 a_1 a_0 = \sum_{i=0}^{k} (a_i)(10)^i$$

which can be written as

$$\sum_{i=0}^{k} (a_i)(10)^i = a_0 + (p_n - a_0)$$

Letting $(p_n - a_0) = z$ we note that z is a multiple of10.

If p_n is to be Prime, then the values of a_0 cannot be Even, i.e., it must be Odd. This implies that z must be Even. Also, a_0 can possibly take the values of 1, 3, 7 and 9 only as it being 5 implies that p_n is divisible by 5. If p_n is not a Prime, we can write it as

$p_n = a_0 + z = 3r$ and/ or

$p_n = a_0 + z = 7s$ and/ or

$p_n = a_0 + z = 9s$

We now implement the following Double For Loop for checking the divisibility of

z

by 3:

$for \;\; i = 1 \; to \; 9$

We check if

$z = 3i(10)^{j_i}$

$for \;\; j_i = 1 \;\; to \; k_i$

such that $3i(10)^{(k_i+1)} \; is \;\; just \;\; > \; z$

end

end

We now implement the following Double For Loop for checking the divisibility of

z

by 7:

$for \;\; i = 1 \; to \; 9$

We check if

$z = 7i(10)^{j_i}$

$for \;\; j_i = 1 \;\; to \; k_i$

such that $7i(10)^{(k_i+1)} \; is \;\; just \;\; > \; z$

end

end

We now implement the following Double For Loop for checking the divisibility of

z

by 7:

$for\ \ i = 1\ to\ 9$

We check if

$z = 9i(10)^{j_i}$

$for\ \ j_i = 1\ to\ k_i$

such that $9i(10)^{(k_i+1)}\ is\ \ just\ \ > z$

end

end

We now present the analysis as follows:

Divisibility by 3		
a_0	z is divisible by 3	z is not divisible by 3
1	$a_0 + z$ is not divisible by 3	When z is not divisible by 3, it is either lacking and/ or in excess by ± 1 gives $\pm 1 + 1 = 2, 0$ Hence, $a_0 + z$ is not divisible by 3 for the case of $+1$ (lacking and/ or in excess by) but is divisible by 3 for the case of -1 (lacking and/ or in excess by) ± 2 gives $\pm 2 + 1 = 3, -1$ Hence, $a_0 + z$ is divisible by

		3 for the case of $+2$ (lacking and/ or in excess by) but is not divisible by 3 for the case of -2 (lacking and/ or in excess by)

a_0	z is divisible by 3	z is not divisible by 3
3	a_0+z is divisible by 3	When z is not divisible by 3, it is either lacking and/ or in excess by
		± 1 gives $\pm 1+3=4,2$ Hence, a_0+z is not divisible by 3
		± 2 gives $\pm 2+3=5,1$ Hence, a_0+z is not divisible by 3

a_0	z is divisible by 3	z is not divisible by 3
7	a_0+z is not divisible by 3	When z is not divisible by 3, it is either lacking and/ or in excess by
		± 1 gives $\pm 1+7=8,6$ Hence, a_0+z is not divisible by 3 for the case of $+1$ (lacking and/ or in excess by) but is not divisible by 3 for the case of -1 (lacking and/ or in excess by)
		± 2 gives $\pm 2+7=9,5$ Hence, a_0+z is not divisible by 7

a_0	z is divisible by 3	z is not divisible by 3
9	a_0+z is divisible by 3	When z is not divisible by 3, it is either lacking and/ or in excess by
		± 1 gives $\pm 1+9=10,8$ Hence, a_0+z is not divisible by 3
		± 2 gives $\pm 2+9=11,7$ Hence, a_0+z is not divisible by 3

Divisibility by 7		
a_0	z is divisible by 7	z is not divisible by 7
1	$a_0 + z$ is notdivisible by 7	When z is not divisible by 7, it is either lacking and/ or in excess by ± 1 gives $\pm 1 + 1 = 2, 0$ Hence, $a_0 + z$ is not divisible by 7 for the case of $+1$ (lacking and/ or in excess by) but is divisible by 7 for the case of -1 (lacking and/ or in excess by) ± 2 gives $\pm 2 + 1 = 3, -1$ Hence, $a_0 + z$ is not divisible by 7 ± 3 gives $\pm 3 + 1 = 4, -2$ Hence, $a_0 + z$ is not divisible by 7 ± 4 gives $\pm 4 + 1 = 5, -3$ Hence, $a_0 + z$ is not divisible by 7 ± 5 gives $\pm 5 + 1 = 6, -4$ Hence, $a_0 + z$ is not divisible by 7 ± 6 gives $\pm 6 + 1 = 7, -5$ Hence, $a_0 + z$ is divisible by 7 for the case of $+6$ (lacking and/ or in excess by) but is divisible by 7 for the case of -6 (lacking and/ or in excess by)
a_0	z is divisible by 7	z is not divisible by 7
3	$a_0 + z$ is not divisible by 7	When z is not divisible by 7, it is either lacking and/ or in excess by ± 1 gives $\pm 1 + 3 = 4, 2$ Hence, $a_0 + z$ is not divisible by 7 ± 2 gives $\pm 2 + 3 = 5, 1$ Hence, $a_0 + z$ is not divisible by 7 ± 3 gives $\pm 3 + 3 = 6, 0$ Hence, $a_0 + z$ is not

		divisible by 7 for the case of $+3$ (lacking and/ or in excess by) but is divisible by 7 for the case of -3 (lacking and/ or in excess by) ± 4 gives $\pm 4+3=7,-1$ Hence, a_0+z is divisible by 7 for the case of $+4$ (lacking and/ or in excess by) but is divisible by 7 for the case of -4 (lacking and/ or in excess by) ± 5 gives $\pm 5+3=8,-2$ Hence, a_0+z is not divisible by 7 ± 6 gives $\pm 6+3=9,-3$ Hence, a_0+z is divisible by 7 for the case of $+6$ (lacking and/ or in excess by) but is divisible by 7 for the case of -6 (lacking and/ or in excess by)
a_0	z is divisible by 7	z is not divisible by 7
7	a_0+z is divisible by 7	When z is not divisible by 7, it is either lacking and/ or in excess by ± 1 gives $\pm 1+7=8,6$ Hence, a_0+z is not divisible by 7 ± 2 gives $\pm 2+7=9,5$ Hence, a_0+z is not divisible by 7 ± 3 gives $\pm 3+7=10,4$ Hence, a_0+z is not divisible by 7 ± 4 gives $\pm 4+7=11,-3$ Hence, a_0+z is not divisible by 7 ± 5 gives $\pm 5+7=12,2$ Hence, a_0+z is not divisible by 7 ± 6 gives $\pm 6+7=13,1$ Hence, a_0+z is not divisible by 7
a_0	z is divisible by 7	z is not divisible by 7
9	a_0+z is divisible by 7	

		When z is not divisible by 7, it is either lacking and/ or in excess by ± 1 gives $\pm 1+9=10,8$ Hence, a_0+z is not divisible by 7 ± 2 gives $\pm 2+9=11,7$ Hence, a_0+z is not divisible by 7 ± 3 gives $\pm 3+9=12,6$ Hence, a_0+z is not divisible by 7 ± 4 gives $\pm 4+9=13,5$ Hence, a_0+z is not divisible by 7 ± 5 gives $\pm 5+9=14,4$ Hence, a_0+z is divisible by 7 for the case of $+5$(lacking and/ or in excess by) but is divisible by 7 for the case of -5 (lacking and/ or in excess by) ± 6 gives $\pm 6+9=15,3$ Hence, a_0+z is not divisible by 7

Divisibility by 9		
a_0	z is divisible by 9	z is not divisible by 9
1	a_0+z is not divisible by 9	When z is not divisible by 9, it is either lacking and/ or in excess by ± 1 gives $\pm 1+1=2,0$ Hence, a_0+z is not divisible by 9 ± 2 gives $\pm 2+1=3,-1$ Hence, a_0+z is not divisible by 9 ± 3 gives $\pm 3+1=4,-2$ Hence, a_0+z is not divisible by 9 ± 4 gives $\pm 4+1=5,-3$ Hence, a_0+z is not divisible by 9 ± 5 gives $\pm 5+1=6,-4$ Hence, a_0+z is not divisible by 9

		± 6 gives $\pm 6+1=7,-5$ Hence, a_0+z is divisible by 9 ± 7 gives $\pm 7+1=8-6$ Hence, a_0+z is divisible by 9 ± 8 gives $\pm 8+1=9,-7$ Hence, a_0+z is divisible by 9 for the case of $+8$(lacking and/ or in excess by) but is divisible by 9 for the case of -8 (lacking and/ or in excess by)
a_0	z is divisible by 9	z is not divisible by 9
3	a_0+z is not divisible by 9	When z is not divisible by 9, it is either lacking and/ or in excess by ± 1 gives $\pm 1+3=4,2$ Hence, a_0+z is not divisible by 9 ± 2 gives $\pm 2+3=5,1$ Hence, a_0+z is not divisible by 9 ± 3 gives $\pm 3+3=6,0$ Hence, a_0+z is not divisible by 9 ± 4 gives $\pm 4+3=7,-1$ Hence, a_0+z is not divisible by 9 ± 5 gives $\pm 5+3=8,-2$ Hence, a_0+z is not divisible by 9 ± 6 gives $\pm 6+3=9,-3$ Hence, a_0+z is divisible by 9 for the case of $+6$ (lacking and/ or in excess by) but is not divisible by 9 for the case of -6 (lacking and/ or in excess by) ± 7 gives $\pm 7+3=10,-4$ Hence, a_0+z is not divisible by 9 ± 8 gives $\pm 8+3=11,-5$ Hence, a_0+z is not divisible by 9
a_0	z is divisible by 9	z is not divisible by 9
7	a_0+z is not divisible	When z is not divisible by 9, it is either lacking

	by 9	and/ or in excess by
		± 1 gives $\pm 1+7=8,6$ Hence, a_0+z is not divisible by 9
		± 2 gives $\pm 2+7=9,5$ Hence, a_0+z is not divisible by 9
		± 3 gives $\pm 3+7=10,4$ Hence, a_0+z is not divisible by 9
		± 4 gives $\pm 4+7=11,-3$ Hence, a_0+z is not divisible by 9
		± 5 gives $\pm 5+7=12,2$ Hence, a_0+z is not divisible by 9
		± 6 gives $\pm 6+7=13,1$ Hence, a_0+z is not divisible by 9
		± 7 gives $\pm 7+7=14,0$ Hence, a_0+z is not divisible by 9 for the case of $+7$ (lacking and/ or in excess by) but is not divisible by 9 for the case of -7 (lacking and/ or in excess by)
		± 8 gives $\pm 8+7=15,-1$ Hence, a_0+z is not divisible by 9
a_0	z is divisible by 9	z is not divisible by 9
9	a_0+z is divisible by 9	When z is not divisible by 9, it is either lacking and/ or in excess by
		± 1 gives $\pm 1+9=10,8$ Hence, a_0+z is not divisible by 9
		± 2 gives $\pm 2+9=11,7$ Hence, a_0+z is not divisible by 9
		± 3 gives $\pm 3+9=12,6$ Hence, a_0+z is not divisible by 9
		± 4 gives $\pm 4+9=13,5$ Hence, a_0+z is not divisible by 9
		± 5 gives $\pm 5+9=14,4$ Hence, a_0+z is not

		divisible by 9
		± 6 gives $\pm 6+9=15,3$ Hence, a_0+z is not divisible by 7
		± 7 gives $\pm 7+9=16,2$ Hence, a_0+z is not divisible by 9
		± 8 gives $\pm 8+9=17,1$ Hence, a_0+z is not divisible by 9

From the above analysis, we can quickly infer if p_n is Prime or not.

Moral

Love Is Totally Becoming The Soul Of Your Loved Ones.

References

Ramesh Chandra Bagadi

Vixra Publications
as on February 29th, 2016 Anno Domini
www.vixra.org/author/ramesh_chandra_bagadi

[109] **viXra:1602.0354** *submitted on 2016-02-27 23:02:51*, (0 unique-IP downloads)

Primeness Test

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[108] **viXra:1602.0290** *submitted on 2016-02-22 22:42:43*, (3 unique-IP downloads)

Primality Tree Of Any Given Set

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[107] **viXra:1602.0196** *submitted on 2016-02-16 23:19:59*, (4 unique-IP downloads)

A Locally Parameter Element-Wise Linear Transformations Based Forecasting Model For Dynamic State Systems With Large Number Of Parameters

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[106] **viXra:1602.0195** *submitted on 2016-02-16 23:22:52*, (5 unique-IP downloads)

The Universal Constraint

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[105] **viXra:1602.0194** *submitted on 2016-02-16 23:30:30*, (3 unique-IP downloads)

A Locally Linear Transformations Based Forecasting Model For Dynamic State Systems -II

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[104] **viXra:1602.0175** *submitted on 2016-02-15 05:07:50*, (3 unique-IP downloads)

A Locally Linear Transformations Based Forecasting Model For Dynamic State Systems

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[103] **viXra:1602.0161** *submitted on 2016-02-13 23:50:58*, (8 unique-IP downloads)

Constructing The Primality Tree Of Any Set

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[102] **viXra:1601.0366** *submitted on 2016-01-31 22:34:01*, (8 unique-IP downloads)

Green Engineering

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[101] **viXra:1601.0316** *submitted on 2016-01-29 23:41:11*, (8 unique-IP downloads)

Insights On Universal Normalization Formula

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[100] **viXra:1601.0306** *submitted on 2016-01-28 05:56:59*, (13 unique-IP downloads)

The Three Critical Elements Of Any Sequence That Can Generate All The Elements Of The Sequence And Also Some Additional Elements That Conform To The Complete Recursive Set Ordered By All The Elements Of The Given Sequence Of Concern

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[99] **viXra:1601.0268** *submitted on 2016-01-24 22:03:40*, (9 unique-IP downloads)

Holistic Complete Determinants {Version II}

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[98] **viXra:1601.0259** *submitted on 2016-01-24 05:51:07*, (12 unique-IP downloads)

Holistic Complete Determinants

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[97] **viXra:1601.0258** *submitted on 2016-01-23 22:06:29*, (9 unique-IP downloads)

Universal Cross Product {Version II}

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[96] **viXra:1601.0246** *submitted on 2016-01-22 22:18:38*, (15 unique-IP downloads)

Large Sized Determinants Computing Algorithm

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[95] **viXra:1601.0213** *submitted on 2016-01-19 22:41:32*, (24 unique-IP downloads)

Classification Of Prime Numbers

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[94] **viXra:1601.0212** *submitted on 2016-01-19 22:50:40*, (8 unique-IP downloads)

Generation Of Elements Forming A Complete Recursive Set On The Higher And Lower Side {From And Up To Specified Limits} Of A Three Distinct Element Set {Version II}

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[93] **viXra:1601.0191** *submitted on 2016-01-17 21:59:29*, (4 unique-IP downloads)

Generation Of Elements Forming A Complete Recursive Set On The Higher Side {Up To A Specified Limit} Of A Three Distinct Element Set {Not Containing Zero} Arranged In Ascending Order

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[92] **viXra:1601.0190** *submitted on 2016-01-17 22:07:29*, (4 unique-IP downloads)

Natural Memory Embedding

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[91] **viXra:1601.0188** *submitted on 2016-01-18 03:36:03*, (7 unique-IP downloads)

Generation Of Elements Forming A Complete Recursive Set On The Higher And Lower Side {From And Up To Specified Limits} Of A Three Distinct Element Set

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[90] **viXra:1601.0170** *submitted on 2016-01-15 23:30:40*, (7 unique-IP downloads)

Universal Scheme To Find The Recursion Scheme Of Any Set Of Concern

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[89] **viXra:1601.0164** *submitted on 2016-01-15 05:32:01*, (9 unique-IP downloads)

Primality Tree Analysis

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[88] **viXra:1601.0151** *submitted on 2016-01-13 23:33:32*, (5 unique-IP downloads)

Any Sequence Of Concern's Evolution Function With Respect To The Evolution Function Of Sequence Of Primes

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[87] **viXra:1601.0150** *submitted on 2016-01-14 03:12:16*, (12 unique-IP downloads)

Universal Cross Product

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[86] **viXra:1601.0140** *submitted on 2016-01-13 06:33:34*, (10 unique-IP downloads)

Universal Scheme To Find The Next Term Of A Triplet Sequence Not Containing Zero And Arranged In Ascending Order

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[85] **viXra:1601.0128** *submitted on 2016-01-12 07:38:39*, (15 unique-IP downloads)

Hyper-Causality Invokement Of Verbose Sounds Through Electromagnetic Wave-Guide Effect

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[84] **viXra:1601.0121** *submitted on 2016-01-11 22:59:26*, (12 unique-IP downloads)

Fulfill Your Life {Version 5}

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[83] **viXra:1601.0107** *submitted on 2016-01-11 03:51:38*, (7 unique-IP downloads)

Quantizing Ability And/ Or Hyper-Causality Invoking Ability Of Truth Statements In Samskrutam Language

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[82] **viXra:1601.0088** *submitted on 2016-01-09 23:39:50*, (11 unique-IP downloads)

Preventing Cancerous Growth

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[81] **viXra:1601.0087** *submitted on 2016-01-10 06:05:04*, (6 unique-IP downloads)

One Step Evolutionary Growth Of Any Primality Set Of Concern {Evolution - Version 5}

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[80] **viXra:1601.0084** *submitted on 2016-01-09 08:41:16*, (6 unique-IP downloads)

Primality Engineering II

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[79] **viXra:1601.0083** *submitted on 2016-01-08 22:13:29*, (19 unique-IP downloads)

Solving Any Puzzle

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[78] **viXra:1601.0071** *submitted on 2016-01-08 05:19:14*, (10 unique-IP downloads)

Street Vendor Business(es) Quantification And Optimization

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[77] **viXra:1601.0049** *submitted on 2016-01-06 05:19:42*, (8 unique-IP downloads)

Universal Recursion Scheme That Is Vertically {Maximally} Evolving

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[76] **viXra:1601.0040** *submitted on 2016-01-05 22:37:06*, (11 unique-IP downloads)

Universal Vision Tunneler. Universal Infinite Frequency Tunneler

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[75] **viXra:1601.0035** *submitted on 2016-01-05 06:13:47*, (12 unique-IP downloads)

Universal Space Folding Recursion Scheme

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[74] **viXra:1601.0019** *submitted on 2016-01-03 21:40:40*, (6 unique-IP downloads)

Universal Recursive Comparator

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[73] **viXra:1601.0018** *submitted on 2016-01-03 21:55:45*, (9 unique-IP downloads)

Generation Of The Recursion Scheme Of Any Complete Primality Tree Of Concern {Version III}

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[72] **viXra:1601.0016** *submitted on 2016-01-03 23:15:18*, (6 unique-IP downloads)

Optimal Business Varietization

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[71] **viXra:1601.0013** *submitted on 2016-01-02 23:18:29*, (10 unique-IP downloads)

Generation Of The Recursion Scheme Of Any Complete Primality Tree Of Concern

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[70] **viXra:1601.0003** *submitted on 2016-01-01 04:59:36*, (12 unique-IP downloads)

Lateral Load Increment Scheme Quantization For Use In Push Over Analysis Scheme Generally Used In Multi-StoreyedStructural Analysis

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[69] **viXra:1512.0493** *submitted on 2015-12-31 22:31:59*, (10 unique-IP downloads)

Recursion Scheme Of Any Complete Primality Tree Of Concern

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[68] **viXra:1512.0480** *submitted on 2015-12-30 06:24:39*, (10 unique-IP downloads)

On the Theory Of Complete Recursive Sub-Sets Of A Given Set Of Concern. Definition Of A Galaxy

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[67] **viXra:1512.0466** *submitted on 2015-12-29 04:58:39*, (16 unique-IP downloads)

Universal Truth Of Recursive Kind {Version IV}

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[66] **viXra:1512.0464** *submitted on 2015-12-28 23:48:57*, (13 unique-IP downloads)

Universal Truth Of Recursive Kind {Version III}

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[65] **viXra:1512.0463** *submitted on 2015-12-28 23:56:30*, (12 unique-IP downloads)

Universal Complementary Lower End Prime Pair And Complementary Higher End Prime Pair

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[64] **viXra:1512.0453** *submitted on 2015-12-27 22:31:48*, (10 unique-IP downloads)

THeory Of Evolution {Version Iv OR 4}

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[63] **viXra:1512.0427** *submitted on 2015-12-25 23:02:27*, (13 unique-IP downloads)

Schema Of Construction Of Infinity Geodesic Of Any Aspect Of Concern

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[62] **viXra:1512.0426** *submitted on 2015-12-26 01:50:19*, (9 unique-IP downloads)

Universal Un-Biased Complete Evolution

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[61] **viXra:1512.0419** *submitted on 2015-12-25 05:54:12*, (24 unique-IP downloads)

NP Versus P Problem. Schroedinger's Cat In A Box Problem

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[60] **viXra:1512.0417** *submitted on 2015-12-24 22:38:29*, (15 unique-IP downloads)

Universal Objective Of The Universe. Universal Beauty Primality. Universal Optimal Life Primality. The Aforementioned Three Aspects As Restrictions For Evolution {Version II of All The Aforementioned}

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[59] **viXra:1512.0410** *submitted on 2015-12-24 05:48:20*, (11 unique-IP downloads)

Universal Objective Of The Universe. Universal Beauty Primality. Universal Optimal Life Primality. The Aforementioned Three Aspects As Restrictions For Evolution

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[58] **viXra:1512.0407** *submitted on 2015-12-23 09:21:29*, (13 unique-IP downloads)

Representation Of Alphabets By Set Of Prime Numbers – Primality Engineering I {Version II}

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[57] **viXra:1512.0404** *submitted on 2015-12-22 23:48:48*, (10 unique-IP downloads)

Theory Of Quantum Coupling. Theory Of Quantum Lensing. Theory Of Quantum Lens Invasion.

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[56] **viXra:1512.0396** *submitted on 2015-12-22 01:04:57*, (16 unique-IP downloads)

Universal Truth Of Recursive Kind {Version II}

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[55] **viXra:1512.0389** *submitted on 2015-12-21 05:26:05*, (7 unique-IP downloads)

Universal Recursive Scheme To Generate The Sequence Of Primes Of Any Order {Say, Rth} Space

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[54] **viXra:1512.0387** *submitted on 2015-12-21 05:35:54*, (8 unique-IP downloads)

Universal Truth Of Recursive Kind

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[53] **viXra:1512.0377** *submitted on 2015-12-20 05:30:29*, (12 unique-IP downloads)

Karma-Falam. Why-To.

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[52] **viXra:1512.0359** *submitted on 2015-12-18 07:14:32*, (9 unique-IP downloads)

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

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[51] **viXra:1512.0358** *submitted on 2015-12-18 07:17:57*, (6 unique-IP downloads)

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

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[50] **viXra:1512.0350** *submitted on 2015-12-17 04:45:31*, (6 unique-IP downloads)

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

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[49] **viXra:1512.0345** *submitted on 2015-12-17 00:49:27*, (8 unique-IP downloads)

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

[48] **viXra:1512.0336** *submitted on 2015-12-16 06:07:38*, (24 unique-IP downloads)

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

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[47] **viXra:1512.0323** *submitted on 2015-12-15 00:08:54*, (10 unique-IP downloads)

Recommended Human Conduct

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[46] **viXra:1512.0318** *submitted on 2015-12-14 04:14:04*, (11 unique-IP downloads)

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

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[45] **viXra:1512.0313** *submitted on 2015-12-13 23:48:21*, (10 unique-IP downloads)

Knowing The Infinitely Deeper Meaning. The Universal Infinite Logic Distiller

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[44] **viXra:1512.0312** *submitted on 2015-12-14 00:00:25*, (6 unique-IP downloads)

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:1512.0305** *submitted on 2015-12-13 00:19:58*, (11 unique-IP downloads)

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

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[42] **viXra:1512.0299** *submitted on 2015-12-12 09:01:29*, (11 unique-IP downloads)

Maximizing Relativistic Electro-Magnetic Fringe Displacement Effect Width

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[41] **viXra:1512.0288** *submitted on 2015-12-11 07:22:21*, (10 unique-IP downloads)

REprersentation Of Alphabets By Prime Numbers - Primality Engineering - I

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[40] **viXra:1512.0268** *submitted on 2015-12-09 03:30:14*, (12 unique-IP downloads)

Theory Of Evolution Through Consecutive Asymmetric Imaging Technique

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[39] **viXra:1512.0235** *submitted on 2015-12-06 02:38:01*, (11 unique-IP downloads)

Truth Assessment Of Any Consciousness Information

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[38] **viXra:1512.0218** *submitted on 2015-12-05 00:41:24*, (16 unique-IP downloads)

'Pi' Value And/ Or Its Higher Order Equivalents Value Precision Quantized Increase Based Refinement Of Any Primality And/ Or Any Recursion Scheme Of Any Aspect Of Concern

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[37] **viXra:1512.0117** *submitted on 2015-12-04 02:24:10*, (12 unique-IP downloads)

Holistic Flood Proof City Design. Instantaneous Flood Water Draining System Theory

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[36] **viXra:1512.0021** *submitted on 2015-12-03 00:53:45*, (9 unique-IP downloads)

Universal Aspect Recursion Scheme {Version 2}

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[35] **viXra:1512.0008** *submitted on 2015-12-02 00:45:31*, (9 unique-IP downloads)

Universal Aspect Recursion Scheme {Version 1 }

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[34] **viXra:1511.0238** *submitted on 2015-11-25 02:01:26*, (29 unique-IP downloads)

Your Good Nature Is Your Real Wealth

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[33] **viXra:1511.0228** *submitted on 2015-11-24 03:22:04*, (15 unique-IP downloads)

Relativistic Transformations In Standard Prime Metric And/ Or Corresponding Reverse Direction Prime Metric Within Some Selected Domains Of Complementable Bounds

Authors: Ramesh Chandra bagadi
Category: General Mathematics

[32] **viXra:1511.0213** *submitted on 2015-11-22 02:25:25*, (19 unique-IP downloads)

Fulfill Your Life (Version 4)

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[31] **viXra:1511.0203** *submitted on 2015-11-21 08:34:25*, (16 unique-IP downloads)

Evolution Through Quantization (Version III)

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[30] **viXra:1511.0190** *submitted on 2015-11-20 09:00:08*, (14 unique-IP downloads)

Rth Order Space Sequence Of Primes Based Prime Metric Algebra

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[29] **viXra:1511.0133** *submitted on 2015-11-16 09:18:35*, (32 unique-IP downloads)

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

[28] **viXra:1511.0120** *submitted on 2015-11-15 00:38:50*, (31 unique-IP downloads)

Living A Happy Life (Version II)

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[27] **viXra:1511.0119** *submitted on 2015-11-15 00:50:41*, (31 unique-IP downloads)

Living A Happy Life (Version III)

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[26] **viXra:1511.0109** *submitted on 2015-11-13 01:56:51*, (39 unique-IP downloads)

Living A Happy Life

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[25] **viXra:1511.0054** *submitted on 2015-11-05 23:38:35*, (42 unique-IP downloads)

Universal Recursive Algoritmic Scheme For The Generation Of Sequence Of Prime Numbers (Of 2nd Order Space)

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[24] **viXra:1510.0514** *submitted on 2015-10-31 02:09:22*, (42 unique-IP downloads)

Fulfill Your Life {Version 3}

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[23] **viXra:1510.0474** *submitted on 2015-10-29 03:13:43*, (13 unique-IP downloads)

Recursion Scheme Of The Sequence Of Primes {Of Second (2nd) Order Space}

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[22] **viXra:1510.0428** *submitted on 2015-10-27 23:43:58*, (17 unique-IP downloads)

Theory Of 'Complementable Bounds' And 'Universe(s) In Parallel' Of Any Sequence Of Primes Of RthOrder Space

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[21] **viXra:1510.0427** *submitted on 2015-10-28 00:10:14*, (19 unique-IP downloads)

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** *submitted on 2015-10-26 07:10:54*, (10 unique-IP downloads)

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** *submitted on 2015-10-26 02:45:01*, (17 unique-IP downloads)

Musical Life (Version II)

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[18] **viXra:1510.0384** *submitted on 2015-10-25 03:55:36*, (15 unique-IP downloads)

Musical Life

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[17] **viXra:1510.0378** *submitted on 2015-10-24 05:42:13*, (23 unique-IP downloads)

The Universal Wave Function Of The Universe (Verbose Form)

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[16] **viXra:1510.0353** *submitted on 2015-10-22 10:45:14*, (20 unique-IP downloads)

Fulfill Your Life (Version 2)

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[15] **viXra:1510.0342** *submitted on 2015-10-21 04:52:09*, (16 unique-IP downloads)

Fulfill Your Life

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[14] **viXra:1510.0327** *submitted on 2015-10-19 05:30:35*, (10 unique-IP downloads)

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** *submitted on 2015-10-17 08:12:44*, (10 unique-IP downloads)

Evolution Through Quantization

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[12] **viXra:1510.0130** *submitted on 2015-10-15 04:14:17*, (20 unique-IP downloads)

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** *submitted on 2015-10-15 02:57:46*, (19 unique-IP downloads)

A Condition For The Suspension Of Gravitational Field

Authors: Ramesh Chandra Bagadi
Category: Classical Physics

[10] **viXra:1510.0117** *submitted on 2015-10-14 05:10:20*, (23 unique-IP downloads)

Some Basic Definitions Of Fractional Calculus

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[9] **viXra:1510.0096** *submitted on 2015-10-12 09:07:32*, (14 unique-IP downloads)

Universal Recursive Crossing Science Of Genetic Kind

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[8] **viXra:1510.0091** *submitted on 2015-10-11 06:46:45*, (13 unique-IP downloads)

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** *submitted on 2015-10-06 12:19:37*, (15 unique-IP downloads)

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** *submitted on 2015-10-05 11:09:22*, (19 unique-IP downloads)

All You Need to Know About Euclidean and Euclidean Type Inner Product Scheme

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[5] **viXra:1510.0031** *submitted on 2015-10-04 06:33:00*, (15 unique-IP downloads)

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** *submitted on 2015-10-03 12:59:02*, (15 unique-IP downloads)

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** *submitted on 2015-10-02 03:08:21*, (22 unique-IP downloads)

Universal Natural Recursion Schemes Of Rth Order Space

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[2] **viXra:1509.0291** *submitted on 2015-09-30 07:47:28*, (21 unique-IP downloads)

The Prime Sequence's (Of Higher Order Space's) Generating Algorithm

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

[1] **viXra:1502.0100** *submitted on 2015-02-14 03:41:23*, (53 unique-IP downloads)

The Prime Sequence Generating Algorithm

Authors: Ramesh Chandra Bagadi
Category: General Mathematics

Ramesh Chandra Bagadi
OTHER PUBLICATIONS

1. **'Quantification Of The Criterion For Corrosion Onset'**pp (1277-1284) Corrosion and Its Control: Proceedings of International Conference on Corrosion CORCON '97 A NACE International Conference, Nehru Centre, Mumbai, India, 3-6 December 1997, Elsevier Science Ltd Publishers, Vol. II, (1997) pp. 1067-1073, ISBN 13: **9780444829160**ISBN 10: 0444829164

2. **'Corrosion Of Galvanized Reinforcement Bars Due To An Electrothermodynamic Parameter: Pyroelectricity'**pp (238-242) Proceedings of "International Conference on Maintenance and Durability of Concrete Structures: March 4 - 6, 1997", Hyderabad, India.ISBN 8173710686, ISBN 9788173710681.

Ramesh Chandra Bagadi

arXiv Publications at http://www.arxiv.org/abs/1009.3809v1
Cornell University LibraryarXiv.org**>**cs**> arXiv:1009.3809v1**
Computer Science > Data Structures and Algorithms

1. **One, Two, Three and N Dimensional String Search Algorithms**

Ramesh C. Bagadi
(Submitted on 20 Sep 2010 (this version))

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 '<u>Philosophical Statesmen</u>' that are evergreen personal librarians of Science, Art, Mathematics and Philosophy.*

Dedication

*All of the aforementioned Research Works, inclusive of this One are **Dedicated to Lord Shiva**.*