

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

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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

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*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 has presented a *Scheme* wherein *Each* of the *Alphabets of English* are represented by a *Distinct Prime Number and/ or Set Of Ordered Distinct Prime Numbers*, such that the thusly found *Set of Prime Numbers Representing All the Alphabets of English Language and/ or Set(s) of Prime Numbers Representing All The Alphabets Of English Language*, also, form a *Complete Recursive Sub-Set*.

Theory

Method of Representation Of One Alphabet By One Distinct Prime Number

Considering *English Language* for our *Analysis*, and specifically the *Alphabets* therein, we firstly consider *Any Alphabet*, say for example ‘*A*’ and *Arbitrarily Assign* a *Prime Number* (of *2nd Order Space*) to it. We then also *Associate* a unique *Digital Voltages File Set* along each direction of the *Space*, namely, *x, y* and *z Directions* such that the file *Proportionately Quantifies* the *Voice Pronunciation* of the *Alphabet* of concern over the *Average Time Span** of the *Voice Pronunciation* of the considered alphabet. For this measurement, we can even set a *Specific Universal Co-ordinate System*, i.e., a *Nomenclature* for such aforementioned *Digital Measurements*.

(*it is *Very Important* to Use the concept of *Average Value* as later on, when we introduce the concept of *Intensity* alongwith, this notion of *Average* will be very useful, one can note that such *Averages* may be *Riggable*, but the pair of *Average Value* and *Intensity* for a lot of Alphabets of concern may not be)

We now use the author’s TRL on ‘*Recursive Consecutive Element Differential Of Prime Sequence (And/ Or Prime Sequences In Higher Order Spaces) Based Instantaneous Cumulative Imaging Of Any Set Of Concern*’ [8], and *Find* another *Distinct Prime Number* for another arbitrarily picked *Alphabet*, say ‘*B*’ for which we already know the *Digital Voltages File Set* and *Voice Pronunciation* by

Construction. We can keep *Refining* this newly found *Prime Number* for *Alphabet 'B'* by letting the *Prime Number Value* for *Alphabet 'A'* run through a *Sequence of Prime Numbers* such that both *Alphabets 'A'* and *'B'* can be represented by *Two Distinct Prime Numbers*. We now similarly, find the *Distinct Prime Number* for any *Third* arbitrarily picked *Alphabet*, say *'C'* for which we already know the *Digital Voltages File Set* and *Voice Pronunciation* by *Construction*. At this stage, we can use the author's TRL on '*Complete Recursive Subsets Of Any Set Of Concern And/ Or Orthogonal Universes In Parallel Of Any Set Of Concern In Completeness (Version II)*' [7] to find the *Complete Set of Prime Numbers* representing the rest of the *Alphabets of English Language*. We keep *Running* (through the *Prime Numbers* available to us) the previously found *Prime Numbers* for the *Alphabets* till we get all the (desirably and advantageously to be associated with *Alphabets*) *Numbers* representing the *Alphabets to be Prime*.

Method of Representation Of Each Alphabet By A Distinct Set Of Distinct Prime Numbers

In this method, we *Arbitrarily Assign* a *Set* (Each along the *x, y* and *z* Directions) Of *Distinct Prime Numbers* wherein *Each Such Set's Element's Prime Number* is in *Normalized Proportion* to the *Digital Voltages File Set* corresponding to the *x, y* and *z* Directions of the *Alphabet* of concern. Now using this *Pair of Values Of Sets*, we find the *Set* (Each along the *x, y* and *z* Directions) Of *Distinct Prime Numbers* for another *Alphabet*, say *'B'*. Similarly, we find the *Set* (Each along the *x, y* and *z* Directions) Of *Distinct Prime Numbers* for another *Alphabet*, say *'C'*. We now use the author's TRL on '*Complete Recursive Subsets Of Any Set Of Concern And/ Or Orthogonal Universes In Parallel Of Any Set Of Concern In Completeness (Version II)*' [7] to find the *Complete Set of Distinct Prime Numbers Set(s)* representing the rest of the *Alphabets of English Language*.

Using 'Theory Of 'Complementable Bounds' And 'Universe(s) In Parallel' Of Any Sequence Of Primes Of Rth Order Space' [22], As A Constraint For Constructing The Ordered Set Of Prime Numbers Representing Any Alphabet Of Concern

One can *Note* that we can *Impose* another *Important Constraint* in further *Refining Our* thusly *Constructed Ordered Set(s)* of *Prime Numbers* wherein *Each* such *Set Represents Each Alphabet*. We do so by *Enforcing the Condition* of ‘*Complementable Bounds*’ on *Each* of the *Ordered Prime Numbers Set* that *Represents Each Alphabet*. That is, *the Ordered Set of Prime Numbers* that is to *Represent an Alphabet* of concern *Should* have *One Or More Complementable Bounds In* and/ or *Along* their *Ordered Sequence* such that in the *Reverse Direction* also, *Relative to the Complementable Bound Value*, *Each* of the *Prime Number* of this considered *Ordered Set* is again a *Prime Number*.

Furthermore, one can use author’s ‘*Removing And/ Or Minimizing The Redundancies In The Primality Of Any Aspect Of Concern {Version II}*’ [50], in *Removing any Redundanacies* of *Primality* of the thusly constructed *Primality* of *Each Alphabet*, i.e., of *Each Set of Ordered Prime Numbers* that *Represents Any Alphabet Phonetically, Voice-Wise*.

Moral

Love Is In The Alphabets As Our Very Near And Dear Teach Them To Us For The First Time In Our Life.

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