

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

*December 28<sup>th</sup> 2015 Anno Domini*

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*White Paper One {TRL68}*

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## Abstract

In this research investigation, the author has advented a *Novel Concept of Lower End Complementary Prime* and a *Higher End Complementary Prime* for a *Given Prime* of concern.

## Theory

Since, we consider 3 as a *North Vertical Image* of 2 and 5 as a *West Horizontal Image* of 3, we can *Note* that 2 and 5 form *One Infinity Geodesic*. That is, they are *Complementary to Each Other*. On these lines, we form the following *Definition*.

### Definition

*Given any  $k^{\text{th}}$  Prime, say  ${}^R p_k$ , of any  $R^{\text{th}}$  Order Space Sequence Of Primes, we have  ${}^R p_{(k-2)}$  as the Lower End Complementary Prime and  ${}^R p_{(k+2)}$  as the Higher End Complementary Prime.*

*That is, a given Prime  ${}^R p_k$ , of any  $R^{\text{th}}$  Order Space Sequence Of Primes, Forms a Lower End Infinity Geodesic with  ${}^R p_{(k-2)}$ .*

*Similarly, a given Prime  ${}^R p_k$ , of any  $R^{\text{th}}$  Order Space Sequence Of Primes, Forms a Higher End Infinity Geodesic with  ${}^R p_{(k+2)}$ .*

*Also,  ${}^R p_{(k-2)}$ , a given Prime  ${}^R p_k$ , of any  $R^{\text{th}}$  Order Space Sequence Of Primes,  ${}^R p_{(k+2)}$ , Form a Tri-Infinity Geodesic.*

Using this concept, one can find the *Complement of Any Primality* and/ or *Hyper-Primality*.

## Conclusion

One can *Note* that the *Concept of Complement of Any Primality of concern* finds great use in many *Mathematical Problems of Interest in Set Theory, especially in Probability Theory*.

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### ***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.*

