



*Scheme To Find Primes*

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## Abstract

In this research investigation, the author has presented an algorithmic ‘*Scheme To Find Primes*’.

## Theory

1. Given a Prime  $p$ , we can always find another prime in the open interval  $(p, 2p)$
2. We first decompose any given prime  $p$  into sum of primes lesser than  $p$  (including repetition). We find all such possible decompositions and then find the immediate next (Consecutive) primes of the primes in the aforementioned decomposition(s). For each such decomposition, we now sum these found immediate next (Consecutive) primes {of the primes in the aforementioned decomposition(s)} and check using author’s Primeness Test {Version 5} (<http://www.vixra.org/abs/1603.0405>) whether this sum is prime or not. In most cases, this sum is prime.

For example,

$$11=7+2+2$$

Considering the RHS

→ $11(\text{immediate Prime next to } 7)+3(\text{immediate Prime next to } 7)+3(\text{immediate Prime next to } 7)=17$ , a prime near 11, on the higher side.

3. We can consider that particular Decomposition which has maximum (or minimum, the reader can check and verify whichever is true) (Imaging) information, i.e., lowest (and/ or highest, the reader can check and verify whichever is true) (Imaging) Entropy.

## Moral

*What is done unto to the Lord, is done unto the Lored.*

## References

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## ***Tribute***

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## ***Dedication***

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