[On the Distinct Aspect of Eleven]

Dwight Boddorf

A distinct aspect of eleven is defined. Aspect is utilized to index one hundred thirty-seven. Index is used to generate a plausible value for the fine structure constant.

Eleven is the only prime equal to a prime plus the square of a greater prime.

$$11 = 2 + 3^2$$

$$P_S = P_< + P_>^2$$

$$P_< < P_>$$

(P_S) Prime sum

($P_<$) Prime lesser

($P_>$) Prime greater

Odd + $(odd)^2$ = even

Odd + $(even)^2$ = odd

Even + $(odd)^2$ = odd

2 is the only even prime.

2 is the least of primes.

Must be

2+ $P_{>}^{2}$ = P_{s}

If; n > 3   (n)atural number

$\frac{2+n^2}{3}$ $=$ (w)hole number, except when n is a multiple of 3

$\frac{2+n^2}{3} = w\,, if\ \frac{n}{3} \neq\ w$

$\frac{2+n^2}{3} \neq\ w\,, if\ \frac{n}{3} =\ w$

$\frac{2+4^2}{3} =\ 6$ $\quad$ $\frac{2+5^2}{3} =\ 9$ $\quad$ $\frac{2+6^2}{3} =\ 12.66\ldots.$

$\frac{2+7^2}{3} =\ 17$ $\quad$ $\frac{2+8^2}{3} =\ 22$ $\quad$ $\frac{2+9^2}{3} =\ 27.66$ ....

: : :

: : :

If; n > 3

and; n is prime, $\frac{n}{3} \neq w$

then; $2 + n^2$ is not prime,$\frac{2+n^2}{3} = w$

If, n > 3

and; $2 + n^2$ is prime,$\frac{2+n^2}{3} \neq\ w$

then; n is not prime,$\frac{n}{3} = w$

Eleven is the only prime equal to a prime plus the square of a greater prime.

If; $P_s = P_< + P_>^2$

and; $P_s^i + P_<^v = P_{i_v} = 11^i + 2^v$

positive (i)nteger

positi(v)e integer

$(P)rime_{i_v}$

then;

$P_{1_1} = 13$	$P_{2_4} = 137$	$P_{3_7} = 1459$
$P_{1_4} = 19$	$P_{2_{12}} = 4217$	
$P_{1_5} = 43$		
$P_{1_7} = 139$		

The least prime were (i) and (v) are both even is 137.

when; $P_s = P_< + P_>^2$ and; below

$$\left[\sqrt{P_s^2 + P_<^4} + \frac{1}{(P_< + P_>)^2 + (P_< + P_>)^4 + \frac{1}{\sqrt[4]{(P_> P_>)^2 + P_<^4}}}\right]^2 = x$$

$$\left[\sqrt{11^2 + 2^4} + \frac{1}{(2+3)^2+(2+3)^4+\frac{1}{\sqrt[4]{\left(3(3)\right)^2+2^4}}}\right]^2 = x$$

$$\left[\sqrt{11^2 + 2^4} + \frac{1}{5^2+5^4+\frac{1}{\sqrt[4]{3^4+2^4}}}\right]^2 = x$$

then

$$\left[\sqrt{137} + \frac{1}{650+\frac{1}{\sqrt[4]{97}}}\right]^2 = 137.03599917\ldots..$$

The simple equation

$2+3^2=11$

may have an understated impact.