

# Re: The Dangerous Liberty of Engineering vs. Lukewarm Dominionism

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From the polynomial:

Given  $p(x) = x^5 + a_4x^4 + a_3x^3 + a_2x^2 + a_1x + a_0$ , and

$p(x) = [(x+1)^\alpha] \cdot [(x-1/2)^\beta] \cdot [(x-2)^\gamma] = 5$ ,  
and  $\alpha, \beta, \gamma$  is greater than or equal to 1,

with  $\alpha, \beta$ , and  $\gamma$  also part of a smooth manifold equal to  $M$ , and  $\alpha, \beta$ , and  $\gamma$  an element of  $\text{End}(TM)$  endomorphisms of the tangent bundle satisfying the quaternionic relation:

$$\alpha^2 = \beta^2 = \gamma^2 = (\alpha)(\beta)(\gamma) = -\text{Id}_{TM}$$

With the manifold  $(M, \alpha, \beta, \gamma)$  called hypercomplex if the almost complex structures  $\alpha, \beta, \gamma$  are integrable. If, in addition,  $M$  is equipped with a Riemannian metric  $g$  which is Kähler with respect to  $\alpha, \beta, \gamma$ , the manifold  $(M, \alpha, \beta, \gamma, g)$  is called \*hyperkähler\*.

Since  $g$  is Kähler with respect to  $(\alpha, \beta, \gamma)$ , we have  $\text{del}(\alpha) = \text{del}(\beta) = \text{del}(\gamma) = 0$ , denotes the Levi-Civita connection. This means that the holonomy of 'del' lies inside the group  $\text{Sp}(n)$  of quaternionic-Hermitian endomorphisms. The converse is also true: a Riemannian manifold is hyperkähler if and only if its holonomy is contained in  $\text{Sp}(n)$ . This definition is standard in differential geometry.

The polynomial can be broken into sub-multiplier polynomials, consisting of complex Monge-Ampère equations that are further described with CPT (as a relevant potential theory for multi-dimensional complex analysis). It deals with plurisub-

harmonic functions and maximal plurisubharmonic functions.

The 'imaginary mass' that emits the tachyon follows its path from the original transitioning shell electron through a de-compressing radius of curvature that remains in proportion to the (resonated) electron's radius from the nucleus of the dipole part of the quadrupole. This action also purposely violates CPT invariance, as well as projective relativity theory. The theoretical quantization spectrum representing the zeros (horizon of primes) of the Riemann Zeta function can be identified as a universal number that affects CPT invariance for systems in the current space-time sheet.

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