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Cosmology, Mass and the Super Force

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Abstract

Linking cosmology and particle physics has long been an outstanding problem. The problem was with the errand theory of Einstein's Relativity. Here we provide these two field with one equation using Matrix Structural Analysis techniques. The theory of Astro-Theology melds almost perfectly with well established particle physics including the neutron, proton and the electron. Proof for these equations that we make use of here is described in JS Przemeiniecki seminal work. Mass dampens out the superforce which is a sinusoidal impulse force.

Keywords: Dynamical equation; Cusack mass equation; Characteristic equation

Introduction

In this brief paper, we provide spot calculations, using Przemieniecki's work on Matrix Structural Analysis. As I've shown in my paper, The Ether, The Universal Material, the universe is an ellipsoid that is being compressed by the Super force. This paper can't be understood outside of the series of papers on Astro-Theology by the author. An important equation that links particles mass (proton, neutron and electron) is provided in this paper. The golden mean equation is used to derive the rate of change of mass, $dM/dt=2$. This work is important because it links nuclear particles to the Grand Unified Theory. We begin with the Dynamical matrix. Familiarity with finite element analysis is necessary [1].

Dynamical Matrix [2]

$$D=K^{-1} M \tag{1}$$

$$=1/0.4233 (4.482)$$

$$=1.0588$$

$$1/D=944.4$$

$$|1/\omega^2 I-D|=0$$

$$\omega=d\theta/dt=1$$

$$1/D-(p^++n)/2= \tag{2}$$

$$944.4 - (938.28+939.57)/2=4.675$$

$$944.4-e^-=944.4-5.11=939.29$$

$$938.925/939.29=1.000489\sim1.000$$

So, we derive the Cusack Particle Mass Equation

$$[1/D-(p^++n)/2-e^-]/[(p^++n)/2]/[1/D-e^-]=Ln\ t \tag{3}$$

$$Ln\ t=[-2e^- \times 1/D]/[(p^++n)/2]$$

$$[2(5.11) \times 1/944.4]/4,.675=23.148$$

$$=Ln\ 3.1419$$

$$=Ln\ \pi.$$

Therefore, the Nuclear Forces, and the Electromagnetic Forces are linked, through AT Math, to the total energy [2,3].

$$U=q\ e^{i\omega t} \tag{4}$$

But,

$$i=\sqrt{-1}=-0.618$$

$$U=0.8415=v=a \tag{5}$$

Therefore:

$$q=15612$$

$$1-0.15612=0.8439=57.55°=1.0004481\ rads,$$

$$1.00004481/1.000489=1.00399.$$

The Characteristic Equation

$$(pM+pC+K)q=0 \text{ [2] pg. } 320 \tag{6}$$

For the Golden Mean Equation:

$$K=0.4233=cuz$$

$$q=0.15612$$

$$pM+pC+0.4233)0.16512=0$$

Multiply through by $0.4233/0.16512=0.0661$

$$M=4.482/0.0661=7.277479$$

$$C=1/q=6.4061$$

$$C=1/q \tag{7}$$

$$q=U/e^{\omega it}. \tag{8}$$

Mass

$$U/q=e^{i\omega t}$$

$$U/q=e^{i\omega t}-Ln\ \pi$$

$$e^{i\omega\pi}-Ln\ \pi=1.9969\sim2=dM/dt$$

$$U/q=dM/dt \tag{9}$$

$$UC=dM/dt \tag{10}$$

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1.9969 x 0.4233=0.8453=sin 57.7 1.0071 rads=Mass H+

When the Impulse Force is a Sine Function,

$P_{max}=P_0 \sin (2\pi t/t_0)$

Superforce=P_{max}=0.2667=sin $[2\pi (\pi/4)/t_0]$

$t_0=\pi$.

From above, we know:

U=q(23.1478)

q=1/C

$C=1/q=e^{i\omega t}/U$

$i=\sqrt{(-1)}=-0.618$

q=1/6.4061

Dampening:

$C=2\gamma K$

6.4061=2 γ (0.4233)

γ=7.567

Critical Dampening:

C=2Mω

=2(4.482)(1)

=8.964

υ=8.964/7.567=118.46 > 118 No. of Elements in the Periodic Table of the Elements.

In short, Mass dampens out the Superforce Impulse.

Conclusion

So we see that particle mass and cosmology are linked by the Astro-Theology theory. The result is Cusack's Particle Mass Equation. The Mass dampens out the Super force. Rigorous mathematical proof may be made by those who are capable.

References

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