

## **Why trio of GR (general relativity), SE (schrödinger equation), & QM (quantum mechanics) are incompatible to each others?**

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### **Abstract**

#### **Statement of the Problem:**

Reader may raise eyebrows with this title, yet, it is what it is. There were untouchable and famous Bohr equation (Table 49) as well as the famous Standard Model (Table 2) that around us about 100 years already. Time to challenge this domination on our fundamental sciences literature. Are you still with me or run away in a panic?

#### **Methodology & Theoretical Orientation:**

The Congruent theory is always respect to empirical evidence that produced by observation and laboratories experiments (Table 49) show the possibility of consolidate the congruent theory to all the existing empirical science evidences, there are 13 empirical evidences that against three units of equations; one is the famous Bohr classic chemistry equation of  $2n^2$  and others two are the congruent theory equations that forming to express the phenomenon of duality particle, which is particle as matter as instant as a wave.

Brian Randolph Green's grid of references 2.0; for readers who follow Brian Randolph Greene will notice that from time to time he always mention a coordinate grid (Figure 13) that consists of SLM (Speed, Length, & Mass) which is by Greene its meant[1] to be GR (General Relativity), SE (Schrödinger Equation), and QM (Quantum Mechanics). This Greene idea is one step closer to the theory of everything that all expose in Table 2, Figure 19, and Figure 10.

According to Table 2 state that QM (Quantum Mechanics) is consisting of 53% is dependent on data input in form of mass (Figure 19). According to equation on Figure 19 show how mass correlation to centrifugal and centripetal force. The reason is the fact that to obtained result for Quantum Mechanics by experiment has been working on the particles collide action. By convention the focus on collision is on mass and energy. GR (General Relativity) is always associated with Space-time its sound like what in English is about velocity! Again Figure 19 shows that velocity is perpendicular to centrifugal and centripetal force.

Obviously, SE (Schrödinger equation) more straight forward which is focus on  $\psi(x, t)$  is a wave function. In physics, a wave is defined as a disturbance that transfers energy through a medium, moving from one area to another [14]. This concept has length (Figure 10) properties on it or it is about contour (Figure 13 and Figure 19).

Despite, there is cited references from some ancients literature is tends to confluence into highlight the fact that need some patches up the inadequacy of detail explanation to solving the existing problems that emerge by complexity of observations activities And after reader realise that the Congruent theory boldly "touch" the head of untouchable of the famous Standard Model, which only means one thing that the Congruent theory is means business.

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12 Yes out of 13 empirical evidences		$3\Sigma^2$	$3\Sigma^2$	18
1 Yes out of 13 empirical evidences	$2n^2$			
<b>Apply to chemistry</b>				
Confirm empirical evidence of atomic emission spectrum experiments	No	Yes	Yes	Yes
Forecast the next energy of atomic emission spectrum	No	Yes	Yes	Yes
Structures atomic (old paradigm) Flat orbital	Yes	No	No	No
Structures atomic (Quantum)	No	Yes	Yes	Yes
Confirm shape of atomic orbital spdf pattern	No	Yes	Yes	Yes
<b>Apply to physics</b>				
Confirm atomic Standard model	No	Yes	Yes	Yes
Confirm de Broglie wavelengths	No	Yes	Yes	Yes
Confirm Schrodinger equations	No	Yes	Yes	Yes
<b>Apply to astrophysics</b>				
Confirm Universe expansion	No	Yes	Yes	Yes
Confirm Earth inclination angle	No	Yes	Yes	Yes
Confirm planet Retrograde/Prograde movement	No	Yes	Yes	Yes
<b>Apply to biology</b>				
Confirm structure DNA	No	Yes	Yes	Yes
Confirm DNA Base pairs	No	Yes	Yes	Yes

Table 49: Consolidate equations to the empirical science evidences

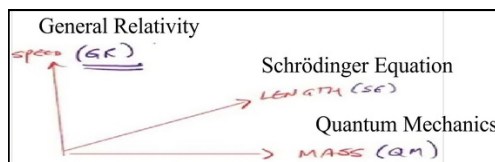
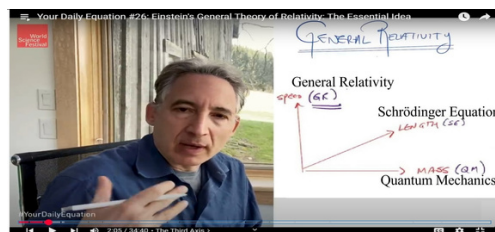


Figure 13: Brian R. Greene's grid of references 2.0



Brian R. Greene's grid of references 2.0

## Biography

(Nokit) Carlos Afonso Lay, ST. Born in East Timor at 25 May 1968 and continue live in Timor until after graduated his high school at SMA Negeri 1 Dili, Timor. And continue educated at the oldest and famous university of Gadjah Mada of Yogyakarta of Indonesia and obtain his electrical engineering degree in 1996.

#	Parameter	Frequency	%
1	Mass	10	Out-of 19 items 53%
2	Coupling	3	Out-of 19 items 16%
3	Mixing angle	3	Out-of 19 items 16%
4	Vacuum angle	1	Out-of 19 items 5%
5	Vacuum expectation value	1	Out-of 19 items 5%
6	Violation Phase	1	Out-of 19 items 5%

Table 2: Composition tabulation on Standard Model Lagrangian's elements (refer to Table 1)

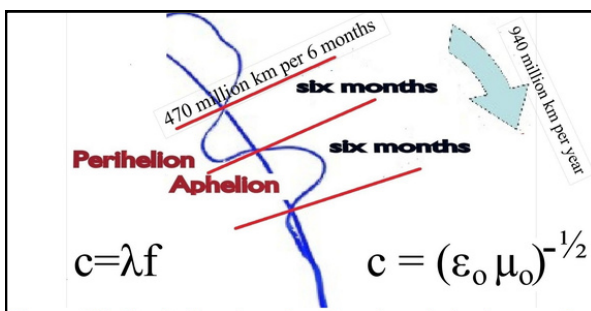


Figure 10: Earth drawing ahead each arch in six months

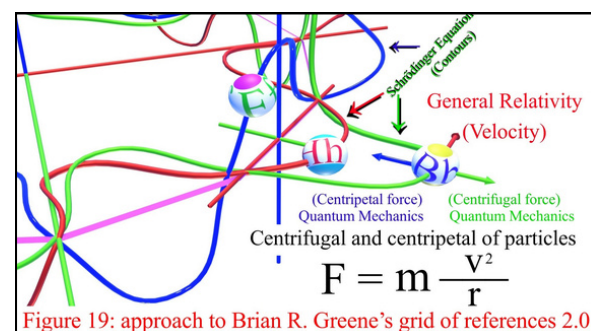


Figure 19: approach to Brian R. Greene's grid of references 2.0

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