Using the Primordial Coupling Constants Function to Derive the Fermionic Nature of the Graviton

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Abstract:

This paper will analyze the coupling constant equation in its first and second representations, net variations and spin. The question analyzed is the relation of spin two of the graviton to its nature of propagation. Using this framework and the previous papers made about the graviton, it becomes than vivid that due to its spin, he is different than other bosons in the nature of this propagation. Such trait could than come to an agreement with the fact that it was not detected to this very day.

Introduction

$$F_{V=0} = 8 + (1) \tag{0}$$

$$F_R\# = \left(8 * \prod_{V=1}^{V=R} N(V)_V + (3)\right) + N(V)_V = 30{:}\,128{:}\,850{:}\,9254.. \tag{1}$$

$$N(V)_V = 2\left(V + \frac{1}{2}\right);\ V \geq 0 \tag{2}$$

$$N(V)_V \in \mathbb{P} \bigoplus (+1);\ \mathbb{P} \rightarrow Set\ of\ Primes$$

$$N(V)_V = P_{max}\ in\ Range\ [0, \mathbb{R}] \bigoplus (+1)$$

The second representation using the prime critical line:

$$[(8 * 3) + (3)] + 3 \rightarrow \left[2\mathrm{N}1 + \frac{1}{2}\right] + \frac{1}{2} \qquad (3)$$

$$[(24 * 5) + (3)] + 5 \rightarrow \left[2\mathrm{N}2 + \frac{1}{2}\right] + \frac{1}{2} \qquad (4)$$

$$[(120 * 7) + (3)] + 7 \rightarrow \left[2\mathrm{N}3 + \frac{1}{2}\right] + \frac{1}{2} \qquad (5)$$

Since gravity has spin two, we need to vary the second representation to present it.

$$\left[2\mathrm{N}(\mathrm{gravity}) + \frac{1}{2}\right] + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} \qquad (6)$$

$$2N(gravity) + 2 \qquad (7)$$

Switching back to first representation its adding even amount of prime number. Such a combination will yield an even number, which will vanish. All this was presented in previous paper about gravity. However, since the end result means that the net variations will vanish, it also means that the graviton will not propagate like the rest of the forces, which eventually are of the form:

$$2N(\dots) + 1 \qquad (8)$$

That could mean that gravity, despite considered as a boson, behave quite differently or Propagate in a different way compared to other boson due to its spin. As the spin is a representation of net variations of the manifold. Such a framework than is able to explain we have not detected the graviton to this day. Gravitons do not propagate like photons or any other interactions due to their spin feature.

Even amounts of variations in the 8-theory are associated with fermions and vanishing into matter. Since gravity has an even amount of net total variations, we can associate a fermionic like nature to the boson called the graviton. It would behave like a fermion, not a typical boson. It will not propagate all across; maybe it would be standing still. Its subject is still elusive and there is much more to come, as one believes.

References

[1] O. Manor. "The 8- Theory – The Theory of Everything" In: (2021)

[2] O. Manor. "Proof: The Riemann Hypothesis Using QFT and Lorentz " In: (2021)