

2.2.2) Orbital Refutation of Lie Element G.R.

Consider the lie element:

$$ds^2 = c^2 d\tau^2 = m(r) c^2 dt^2 - \frac{dr^2}{m(r)} - r^2 d\theta^2 \quad (1)$$

then $\left(\frac{dr}{d\theta}\right)^2 = r^4 \left(\frac{1}{b^2} - m(r) \left(\frac{1}{a^2} + \frac{1}{r^2} \right) \right) \quad (2)$

where $b = \frac{Lc}{E}$, $a = \frac{L}{mc} \quad (3)$

However, the observed solar system orbit is the precessing ellipse:

$$r = \frac{d}{1 + \epsilon \cos(x\theta)} \quad (4)$$

so from eq. (4):

$$\left(\frac{dr}{d\theta}\right)^2 = \left(\frac{x\epsilon}{d}\right)^2 r^4 \sin^2(x\theta) \quad (5)$$

so $m(r) = \frac{A}{B + \frac{1}{r^2}} \quad (6)$

where $A = \left(\frac{E}{Lc}\right)^2 - \left(\frac{x\epsilon}{d}\right)^2 \sin^2(x\theta) \quad (7)$

$$B = \left(\frac{mc}{L}\right)^2 \quad (8)$$

Obviously, $m(r) \neq 1 - \frac{r_0}{r} \quad (8)$

This is a very clear refutation of almost all of Einsteinian general relativity.

2)

Γ_L addition:

$$\sin^2(x\theta) = 1 - \cos^2(x\theta) \quad - (9)$$

$$\cos^2(x\theta) = \frac{1}{\epsilon^2} \left(\frac{d}{r} - 1 \right)^2 \quad - (10)$$

so:

$$A = \left(\frac{E}{Lc} \right)^2 - \left(\frac{x\epsilon}{d} \right)^2 \left[1 - \frac{1}{\epsilon^2} \left(\frac{d}{r} - 1 \right)^2 \right] \quad - (11)$$

$$\text{Also: } m(r) = \frac{1}{2} \left(\frac{E}{mc^2} \right)^2 \left(1 \pm \left(1 - 4 \left(\frac{mc^2}{E} \right) \frac{v^2}{c^2} \right)^{1/2} \right) \quad - (12)$$

$$\text{From eqs. (6) and (12)} \\ \frac{A}{B + \frac{1}{r^2}} - \frac{1}{2} \left(\frac{E}{mc^2} \right)^2 = \pm \frac{1}{2} \left(1 - 4 \left(\frac{mc^2}{E} \right) \frac{v^2}{c^2} \right)^{1/2} \quad - (13)$$

This equation does not reduce to special relativity:

$$E \xrightarrow{r \rightarrow \infty} \gamma mc^2 \quad - (14)$$

$$\text{where } \gamma = \left(1 - \frac{v^2}{c^2} \right)^{-1/2} \quad - (15)$$