

## 202(8) : Simple Refutation of the Theory of Gravitational Time Delay.

This theory is again based on the incorrect starting point  
the element attributed to Schwarzschild. As it note

202(3) :

$$\left(\frac{dr}{d\theta}\right)^2 = \left(\frac{r^2}{b}\right)^2 r^4 \sin^2(\chi\theta) \neq r^4 \left( \frac{1}{b^2} - \left(1 - \frac{r_0}{r}\right) \left( \frac{1}{a^2} + \frac{1}{r^2} \right) \right) \quad (1)$$

The time delay theory usually attributed to Shapiro  
is just a simple extension based on:

$$\frac{dr}{dt} = \frac{dr}{d\theta} \frac{d\theta}{dt} \quad (2)$$

where:  $\omega = \frac{d\theta}{dt} = \frac{cb}{r^2} \left(1 - \frac{r_0}{r}\right) \quad (3)$

is the angular velocity.

So:

$$\frac{dr}{dt} = cb \left(1 - \frac{r_0}{r}\right) \left( \frac{1}{b^2} - \left(1 - \frac{r_0}{r}\right) \left( \frac{1}{a^2} + \frac{1}{r^2} \right) \right)^{1/2} \quad (4)$$

and  $\Delta t = \int_A^B \left( \frac{dt}{dr} \right) dr \quad (5)$

is the gravitational time delay. This theory is  
based on the erroneous eq. (1), and cannot be correct.