



$$-F_{g2} \text{ ( mkg s}^{-2}\text{)} = m_2(\text{kg}) \cdot (-a_{g2})(\text{ms}^{-2}) =$$

$$-F_{g2} \text{ ( mkg s}^{-2}\text{)} = ((-c^2)(\text{m}^2\text{s}^{-2})(r_{sn}/2)(\text{m})/m_1 \cdot m_1(\text{kg})).m_1(\text{kg}).m_2(\text{kg})/R^2(\text{m}^2)$$

$$-F_{g2} \text{ ( mkg s}^{-2}\text{)} = (m_2/m_1).(m_1)(\text{kg}).(-c^2)(\text{m}^2\text{s}^{-2}).rs1/R2(\text{m}^2)$$

$$-F_{g2} \text{ ( mkg s}^{-2}\text{)} = (m_2/m_1). (-E_1)(\text{m}^2\text{kg s}^{-2}).(r_{s1}/2)(\text{m})/R^2(\text{m}^2)$$

**Conclusión:** la energía de reposo de toda masa gravitacional es negativa.

( The rest-energy of any gravitational mass is negative.)

### **Unidades y Símbolos**

Fg - Fuerza gravitacional - Gravitational Force.

.m - Masa - Mass

.a - Aceleración - Acceleration

G - Constante Gravitacional Universal de Newton - Newton's Universal gravitational constant

R-l - Distancias - length

(m) - metro - meter

(kg) - kilogramo - kilogram

(s) - segundo - second

### **REFERENCIAS**

- CODATA 2014
- WIKIPEDIA