$$R(3) := \frac{1}{A} = \frac{1}{A$$

$$R(1): V = L \times W \times T$$

$$\frac{\Delta V}{V} = \frac{\Delta L}{L} + \frac{\Delta W}{W} + \frac{\Delta T}{T}$$

$$\frac{\Delta P}{P} = \frac{\Delta M}{N_A} + \frac{\Delta V}{V}$$

$$\frac{\Delta P}{V} = \frac{\Delta M}{V} + \frac{\Delta V}{V}$$

$$\frac{\Delta P}{V} = \frac{M}{V} \times \frac{V}{V} + \frac{\Delta V}{V} + \frac{\Delta V}$$

*
$$m_i x_{ii} + m_2 x_{2i}' = m_i x_{if} + m_2 x_{2f}$$

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 $\Delta m_i x_{ii} + m_i \Delta x_{ii} + \Delta m_2 x_{2i}' + m_2 \Delta x_{2i}' = m_i x_{ii} + m_2 \Delta x_{2i}'$

* time of flight(t)= $\sqrt{\frac{2y}{9}}$

V = X

$$R(5) := \frac{1}{f} = \frac{1}{V} + \frac{1}{U}$$

$$\frac{1}{V} = \frac{1}{V} = \frac{1}{V} = \frac{1}{V} = \frac{1}{V}$$

$$\frac{1}{V} = \frac{1}{V} = \frac{1}{V} = \frac{1}{V} = \frac{1}{V} = \frac{1}{V}$$

$$\frac{1}{V} = \frac{1}{V} = \frac{1}{V$$

$$R(7):-\frac{7}{836pe}$$

$$g = \frac{4\pi^{2}}{slope} = \frac{4\pi}{m}$$

$$\frac{\Delta g}{g} = \frac{\Delta m}{m}$$

$$\frac{\Delta g}{g} = \frac{\Delta m}{m}$$

$$\frac{1}{2} = \frac{4\pi^{2}}{4}$$

$$\frac{1}{2} = \frac{4\pi^{2$$

R(8): 1 = K E = Ln2 landoda (1) is large the decay is faster. + · كلمازار ع قيمة المناب (/) اتزداد سرعة النقصان · h = hoe at slope E = Ln(ho) - Ln(h) * لا يجاد الزمن النصفي من رسم تا ي المن النصفي الرسة . 去 Ln(2) hVst * when " I" is bigger the half life dime is shorter => the deckay is faster. R(9):- [Tc = ymex x 0.63 => sec in graph = TD = Ymax x 0.37 => Sec in graph = [Ts = -1 #, m = slope = Ay = Ln(ho) - Ln(h) T(s to - t $\overline{C} = \frac{C_0 + C_s + C_c}{3}$ => to find C: (voH) C= TR, DC = AT +AR Uploaded By: Malak Obaid