PHY 321 MARCH 31

Example 3

$$V(n) = \beta \cdot R \qquad \beta > 0$$
Find the angular frequency
$$V(n) = V(n) + \frac{L^2}{2mr^2}$$

$$V(n) = V(n) +$$

$$\psi = \frac{\beta}{(ML)^{1/3}}$$

$$Vely G) = \beta 2 + \frac{2}{2\mu n^2}$$

$$F_2 = -\frac{dVell}{d2} = -\beta + \frac{2}{\mu n^3}$$

$$\mu \frac{d^2r}{dt^2} = F_2 = -\beta + \frac{2}{\mu n^3}$$

$$\mu \frac{d^2r}{dt^2} = -\beta + \frac{2}{\mu n^3}$$

$$\mu \frac{d^2r}{dt^3} = -\beta + \frac{$$

Two-lody - scattering Rutherford scattering (classical scattering) - scattering angle 6 impact parameter b b(6) or e(b) untial vi E = 0, no scattering G= TT; head on