$$\frac{\partial E}{\partial R} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3 / 2} \quad \frac{\partial E}{\partial Z} = \frac{GM}{(R^2 + 2^2)^3$$

=> Sin = -52350, Si = -528z

SHM mosition with frequency

12 > natural oscillation time > 2-1