$$\frac{\lambda L}{\Delta r} = mr \qquad \frac{\lambda L}{\Delta r} = mro^{2} + mr sind \dot{\varphi}^{2} - \frac{2V}{\Delta r}$$

$$\frac{\lambda L}{\Delta \dot{\theta}} = mr \dot{\theta} \qquad \frac{\lambda L}{\Delta \dot{\theta}} = mr \dot{\theta} + mr sind \dot{\phi}^{2} - \frac{2V}{\Delta r}$$

$$\frac{\lambda L}{\Delta \dot{\theta}} = mr \dot{\theta} \qquad \frac{\lambda L}{\Delta \dot{\theta}} = mr \dot{\theta} + mr \dot$$

...
$$m\dot{r} - m\dot{r}\dot{\theta} - m\dot{r}\sin\dot{\theta}\dot{\phi}^2 + \frac{\partial V}{\partial \dot{r}} = 0$$

$$m\dot{r}\dot{\theta} + 2m\dot{r}\dot{\theta} - m\dot{r}^2\sin\theta\cos\theta\dot{\phi}^2 + \frac{\partial V}{\partial \theta} = 0$$

$$\frac{1}{2} \left(\frac{1}{1} + R \right) \sin \theta - \frac{m_2 g}{1} \left(\frac{1}{1} + R \right) \sin \theta + \frac{m_2 g}{1} = 0$$

$$\frac{m_2 R}{1} \sin \theta = \frac{m_2 R}{1} \left(\frac{1}{1} + R \right)$$

$$\frac{2}{2} = -m_0 c^2 \sqrt{1 - v^2/c^2} - V(v)$$

$$\frac{dL}{dv} = -m_0 c^2 \frac{1}{2} \frac{-\frac{2V}{C^2}}{\sqrt{1 - v^2/c^2}} = \frac{m_0 v}{\sqrt{1 - v^2/c^2}}$$

$$\frac{dL}{dv} = -\frac{dv}{dv}$$

$$\frac{dL}{dv} \cdot \frac{dL}{dv} = \frac{m_0 v}{\sqrt{1 - v^2/c^2}} + m_0 v \frac{\frac{1}{2} \times (-\frac{2V}{C^2}) v}{(\sqrt{1 - v^2/c^2})^3}$$

$$= \frac{m_0 v}{\sqrt{1 - v^2/c^2}}$$

$$= -\frac{dv}{dv}$$

 $\frac{\partial L}{\partial \hat{v}} = m\hat{x}$ $\therefore m\hat{x} = 0$

$$\frac{\alpha L}{\alpha \dot{\delta}} = m \dot{l} \cos \dot{\delta} + \frac{1}{3} m \dot{l} \dot{\delta}$$

$$m \dot{l} \cos \dot{\delta} \cdot \dot{\delta} - 2m \dot{l} \cos \delta \sin \delta \dot{d} + \frac{1}{3} m \dot{l} \dot{\delta} + mg(\cos \delta - \delta)$$