Let remark : Equations:

$$\frac{1}{2}(\frac{\partial x_{1}}{\partial x_{1}}) - \frac{1}{2} = 0$$

$$L = T - = \frac{1}{2} m^{\frac{1}{2}} \left[\frac{\partial x_{1}}{\partial x_{1}} + \frac{\partial x_{1}}{\partial x_{1}} + \frac{\partial x_{1}}{\partial x_{1}} \cos(\alpha - \alpha_{1}) \right] + m_{3}(2\cos\alpha + \cos\alpha_{1})$$

$$\frac{1}{2}(\frac{\partial x_{1}}{\partial x_{1}}) - \frac{\partial x_{1}}{\partial x_{1}} = 0$$

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