$$\int_{m} \dot{x} = F_{1} \cos \theta - F_{2} \sin \theta$$

$$\int_{m} \dot{y} = F_{1} \sin \theta + F_{2} \cos \theta - mg$$

$$\int_{0} \dot{\theta} = \gamma F_{1}$$

$$\frac{\partial}{\partial t} = \chi F_{2}$$

$$\frac{\partial}{\partial t} = \chi F_{1}$$

$$\frac{\partial}{\partial t} = \chi F_{2}$$

$$\frac{\partial}{\partial t} = \chi F$$