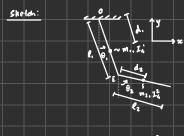
Homework-9

Problem 31 Due: 7 - Apr -2025

Time Spent: 3 Hours



b)
$$E_{R} = \frac{1}{2} m_{1}(\vec{v}_{1}, \vec{v}_{1}) + \frac{1}{2} m_{2} (\vec{v}_{1}, \vec{v}_{2}) + \frac{1}{2} \chi_{1}^{2} \dot{\theta}_{1}^{0} + \frac{1}{2} \chi_{2}^{2} \dot{\theta}_{2}^{0}$$

1 = Ex - Ep

FBD: system

FBD: links

FBD link 2

Fex Fey May