

ME 5550 Intermediate Dynamics
Exercises #8a Answers

1. $F_0 = k\ell C_\theta - m_p g - \frac{1}{2} m g$

2. $\theta_1 = \tan^{-1}\left(\frac{2P}{3mg}\right)$ and $\theta_2 = \tan^{-1}\left(\frac{2P}{mg}\right)$