

2/83 | Equivalent force-couple system at A:

$$\begin{aligned}\underline{R} &= -2500\hat{j} - 1200\hat{j} + 800(\sin 30^\circ\hat{i} + \cos 30^\circ\hat{j}) \\ &= \underline{400\hat{i} - 3010\hat{j} \text{ lb}}\end{aligned}$$

$$\begin{aligned}\Rightarrow M_A &= 2500(4) + 1200(4 + 4\cos 30^\circ + 3) \\ &\quad - 800\sin 30^\circ(2\sin 30^\circ) - 800\cos 30^\circ(4 + 2\cos 30^\circ) \\ &= \underline{18,170 \text{ lb-ft CW}}\end{aligned}$$



$$\begin{aligned}\text{Condition: } x|R_y| &= M_A \\ x &= \frac{18,170}{3010} = \underline{6.05 \text{ ft}}\end{aligned}$$

# Engineering Mechanics Statics Fifth Edition Solutions Manual

**Lei Huang**



## **Engineering Mechanics Statics Fifth Edition Solutions Manual:**

## Unveiling the Power of Verbal Artistry: An Emotional Sojourn through **Engineering Mechanics Statics Fifth Edition Solutions Manual**

In a global inundated with screens and the cacophony of fast conversation, the profound energy and emotional resonance of verbal art usually disappear into obscurity, eclipsed by the regular onslaught of noise and distractions. However, situated within the lyrical pages of **Engineering Mechanics Statics Fifth Edition Solutions Manual**, a captivating function of fictional brilliance that pulses with natural thoughts, lies an memorable journey waiting to be embarked upon. Written with a virtuoso wordsmith, that enchanting opus manuals visitors on a mental odyssey, gently revealing the latent possible and profound impact embedded within the elaborate web of language. Within the heart-wrenching expanse of this evocative examination, we can embark upon an introspective exploration of the book is key subjects, dissect their captivating writing fashion, and immerse ourselves in the indelible impact it leaves upon the depths of readers souls.

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