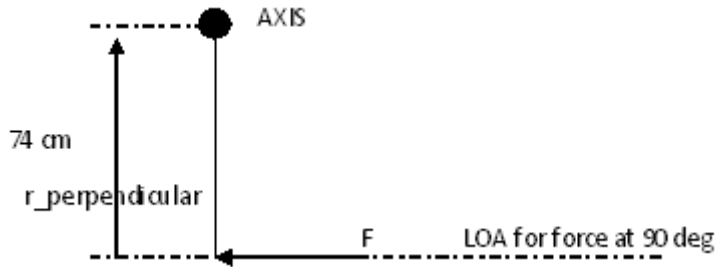


Pg 220 #23

$F_a := 55\text{N}$  point of application is  $d := 74\text{cm}$  from axis

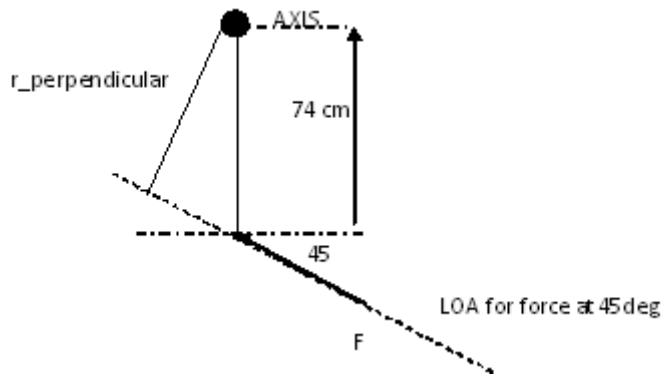


In this case

$$r_{\text{per}} := d$$

$$T := r_{\text{per}} \cdot F_a$$

$$T = 40.7\text{N}\cdot\text{m}$$



In this case

$$r_{\text{per}} := d \cdot \sin(45\text{deg})$$

$$T := r_{\text{per}} \cdot F_a$$

$$T = 28.779\text{N}\cdot\text{m}$$