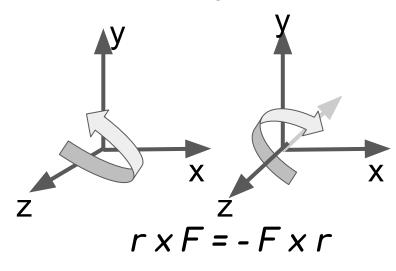
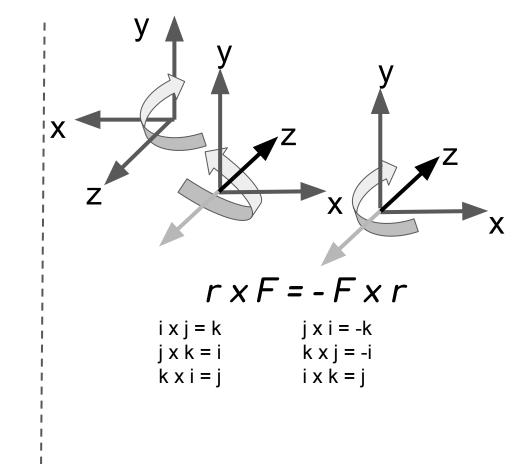
Additional Slides: Sign convention

Cross Products - Application: Moments

Coordinate System



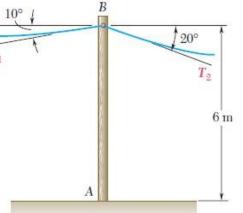


Representation of Right Hand Rule

Representation of Left Hand Rule

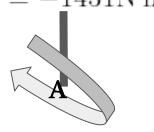
Example: Moment at A

W = 1600 N, T1 = 600 N, T2 = 375 N



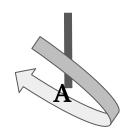
$$M_a + [600 \cos(10^\circ) - 375 \cos(20^\circ)] 6 = 0$$

 $M_a = -1431 \text{N m}$



Representation of Right Hand Rule

 $M_a = -1431 \text{N m}$



 $M_a + [600 \cos(10^\circ) - 375 \cos(20^\circ)] 6 = 0$

Representation of Left Hand Rule