
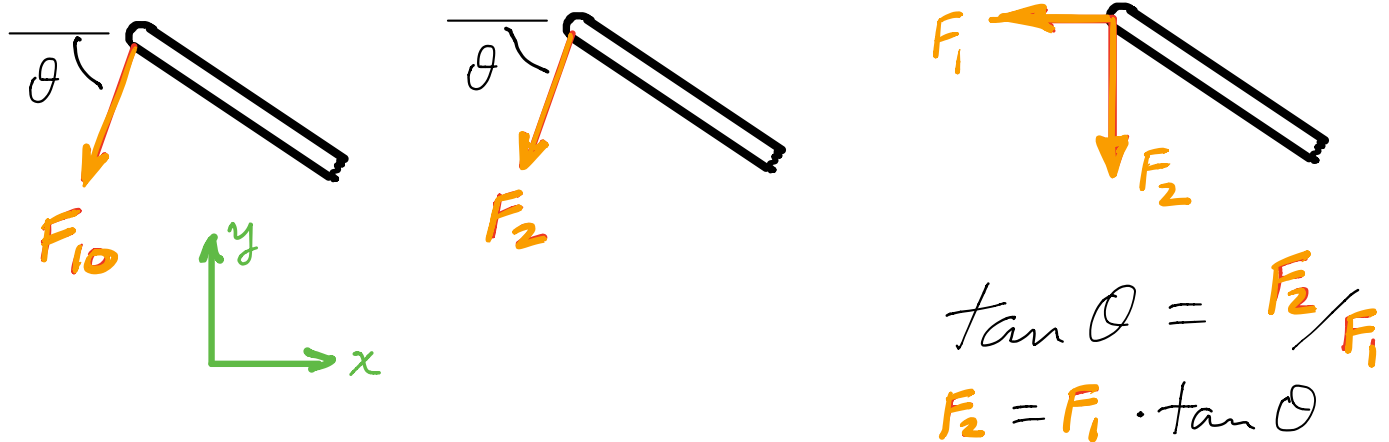



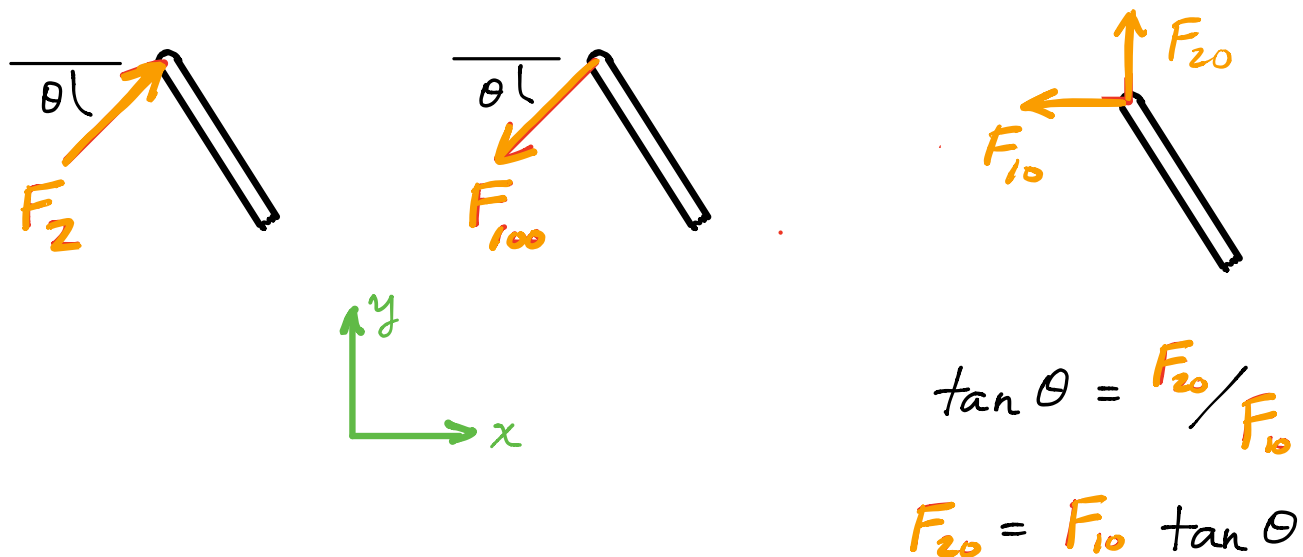
Types of Connection	Reaction	Number of Unknowns
(1) 	One unknown. The reaction is a tension force which acts away from the member in the direction of the cable.	

TENSION FORCE IN FLEXIBLE CABLE






Types of Connection	Reaction	Number of Unknowns
(2) 	One unknown. The reaction is a force which acts along the axis of the link.	

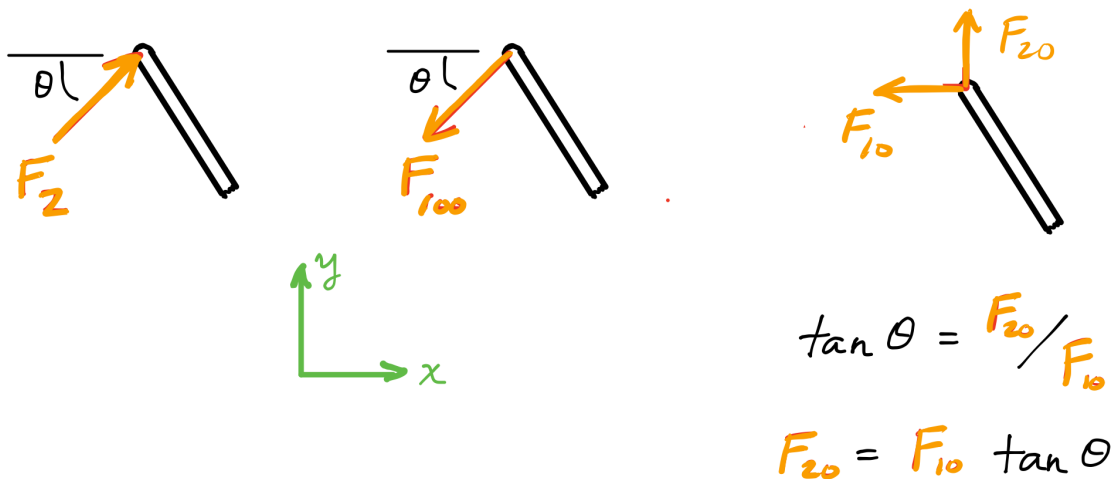
TENSION OR COMPRESSION IN THE FLEXIBLE LINK.



SPRING - TRANSLATIONAL

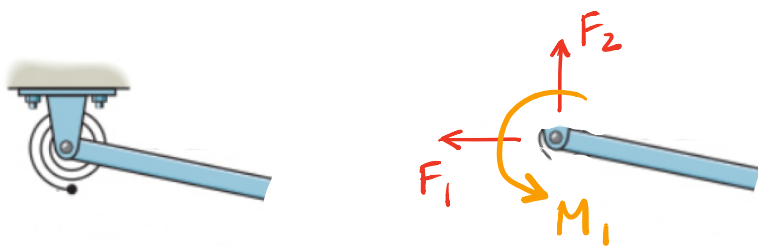
Types of Connection	Reaction	Number of Unknowns
(2)  weightless link	 or 	One unknown. The reaction is a force which acts along the axis of the spring.

TENSION OR COMPRESSION IN THE SPRING.



$$F = k \cdot \text{stretch}$$

SPRING - ROTATIONAL



ONE UNKNOWN.
THE ROTATIONAL
REACTION FORCE
IS THE MOMENT
INSIDE THE SPRING.

$$M = k_{\theta} \cdot \text{STRETCH}$$