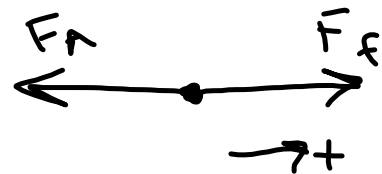


STATICS

- Total force in opposite directions are equal.
- Two cases:
 - Object is not moving
 - Object has constant velocity
- Net force in a direction is \emptyset .

$$\sum F_x = \emptyset$$

$$F_f - F_A = \emptyset$$



- Treat directions as independent:

$$\sum F_x$$

$$\sum F_y$$