

$$P(t) = P_0 + t \vec{v}$$

$$Q(s) = Q_0 + s \vec{w}$$

$$P_0 + t \vec{v} = Q_0 + s \vec{w}$$

$$t \vec{v} - s \vec{w} = Q_0 - P_0$$

 $P(t) = P_{0} + t \text{ bold vec } v \text{ newline}$ $Q(s) = Q_{0} + s \text{ bold vec } w \text{ newline}$ newline $P_{0} + t \text{ bold vec } v \sim = \sim Q_{0} + s \text{ bold vec } w \text{ newline}$ newline $t \text{ bold vec } v - s \text{ bold vec } w \sim = \sim Q_{0} - P_{0} \text{ newline}$