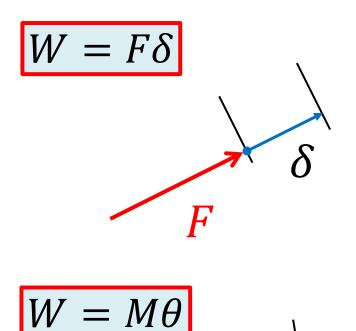
General Form of the Principal of Virtual Work Steven Vukazich San Jose State University Work Done by Force/Moment



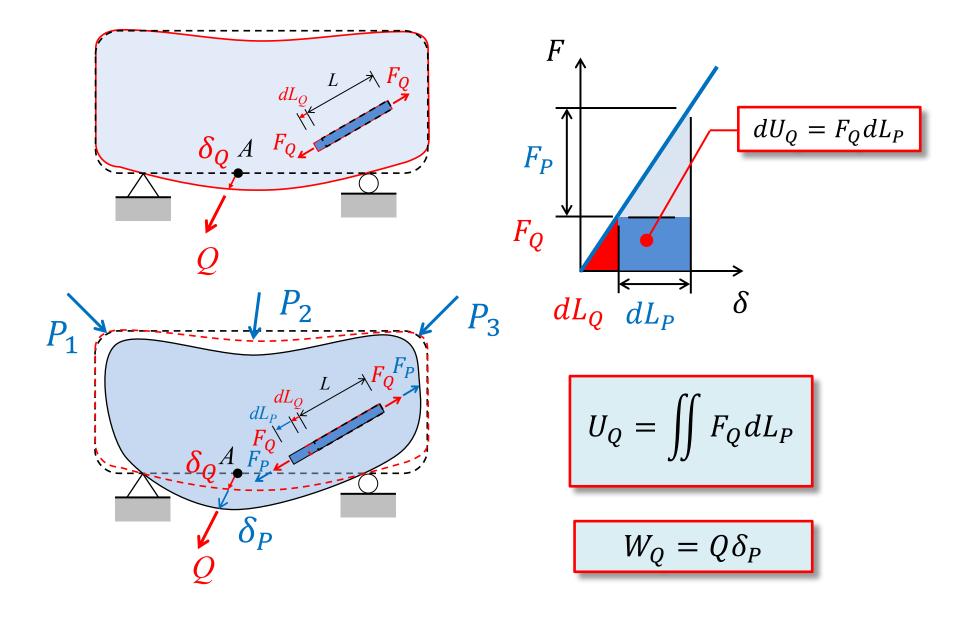
θ

M

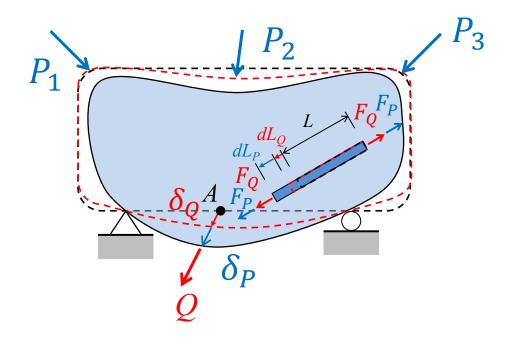
Work is done by a force acting through and in-line displacement

Work is done by a moment acting through and in-line rotation





Virtual Work for a General Body

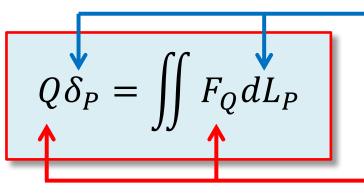


$$W_Q = U_Q$$

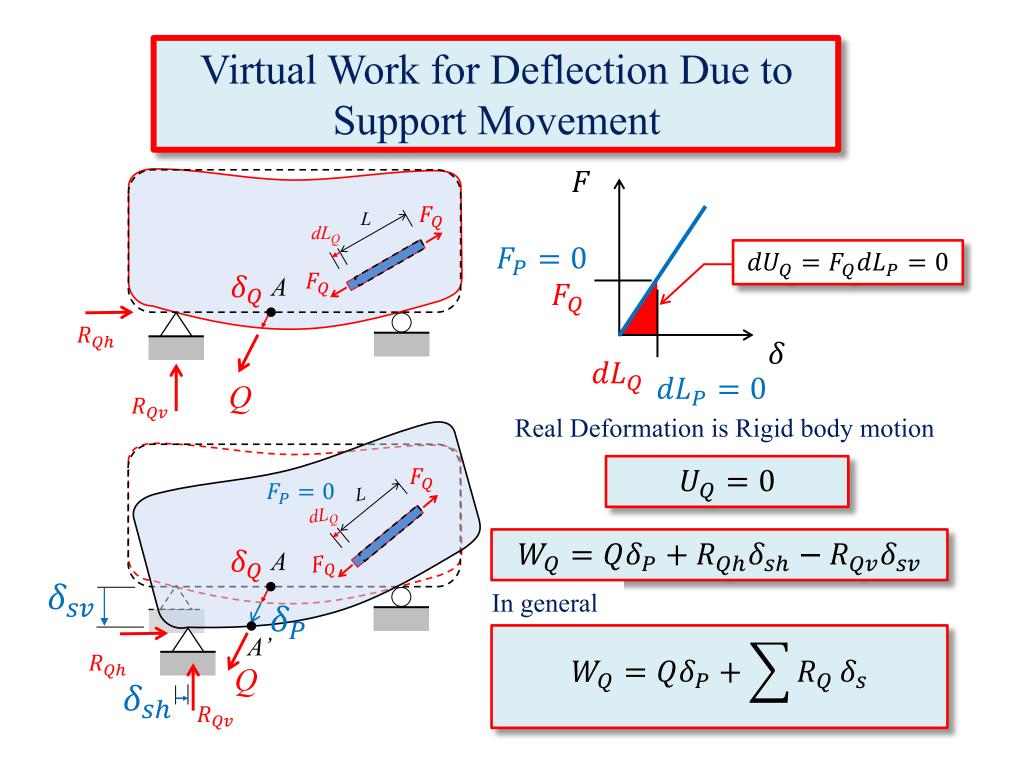
$$U_Q = \iint F_Q dL_P$$

$$W_Q = Q\delta_P$$

Real Deformation



Virtual Loads



General Form of the Principle of Virtual Work

