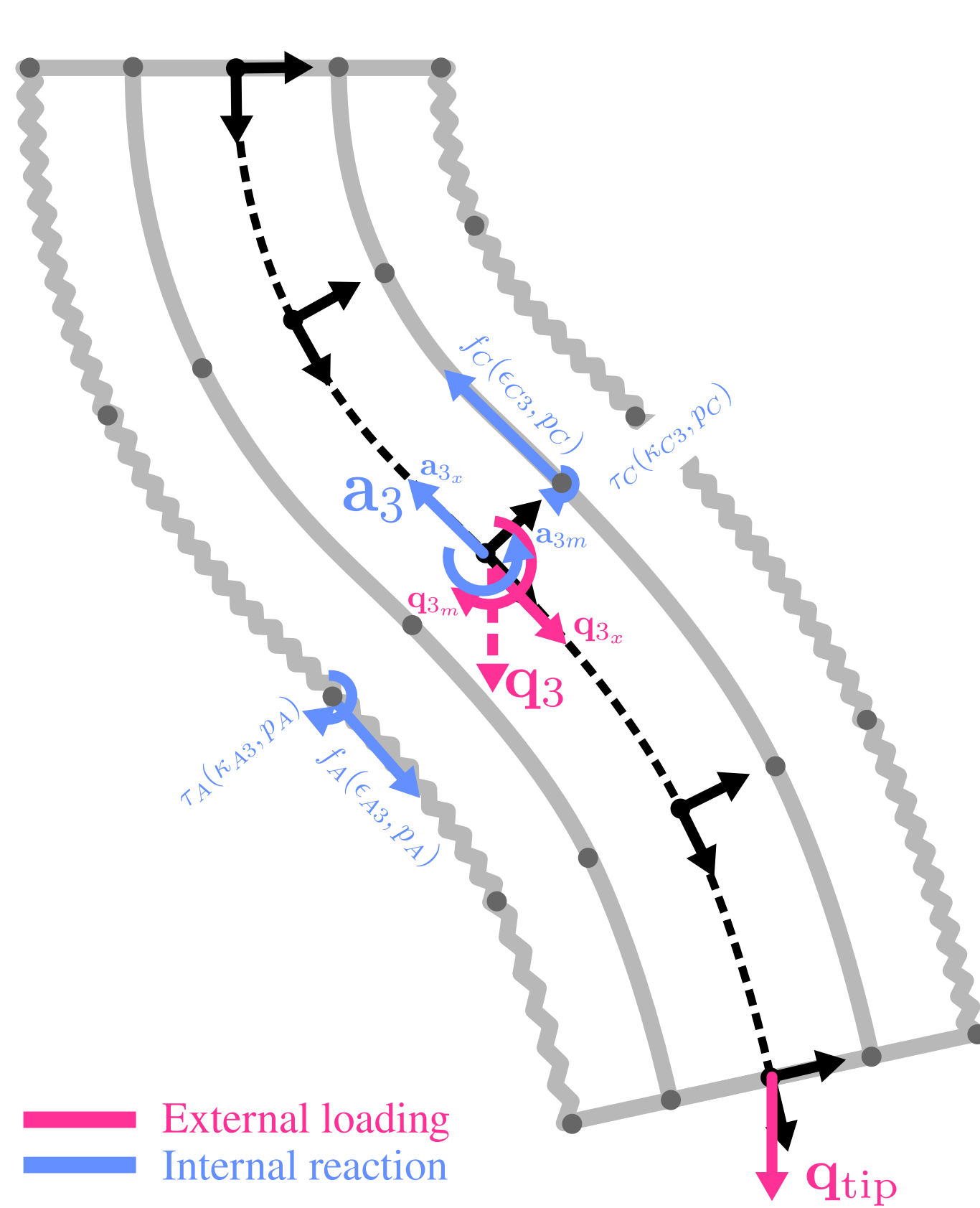
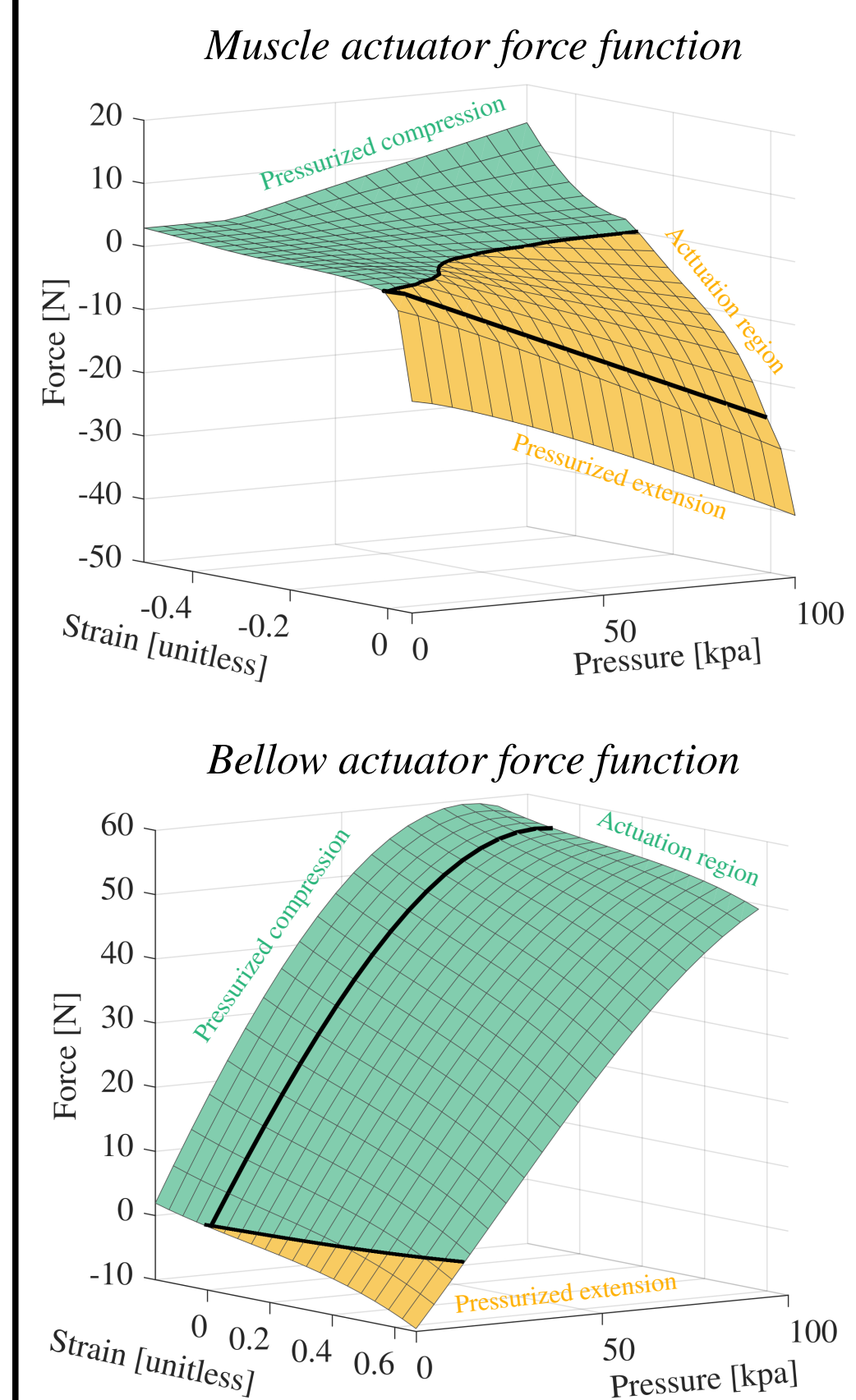


(a) Arm and actuator kinematics



(b) Equilibrium mechanics



(c) Actuator models