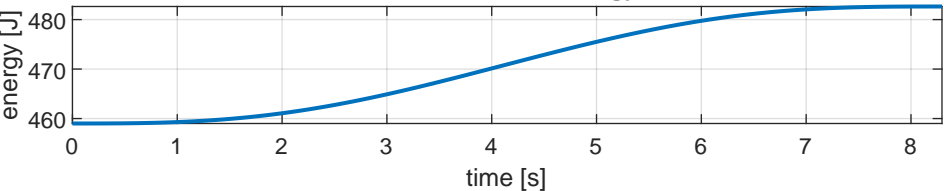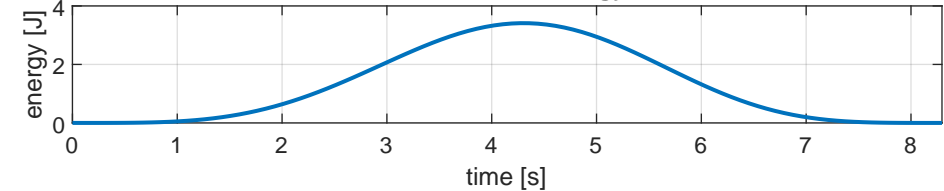Kinetic and potential energy from P1 to P2