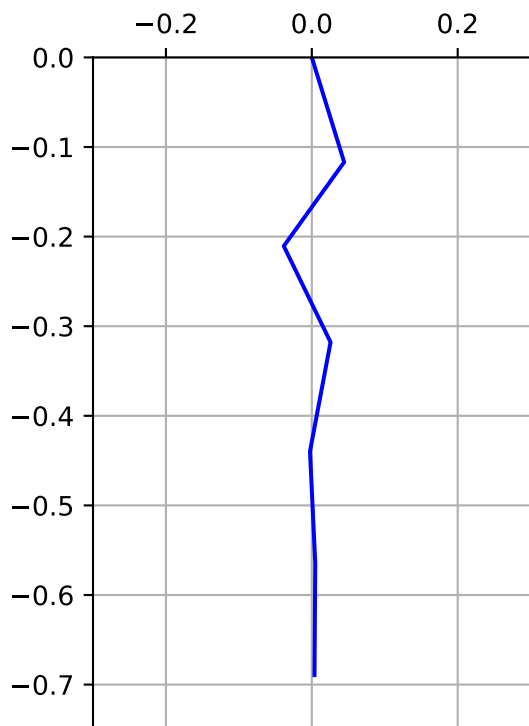
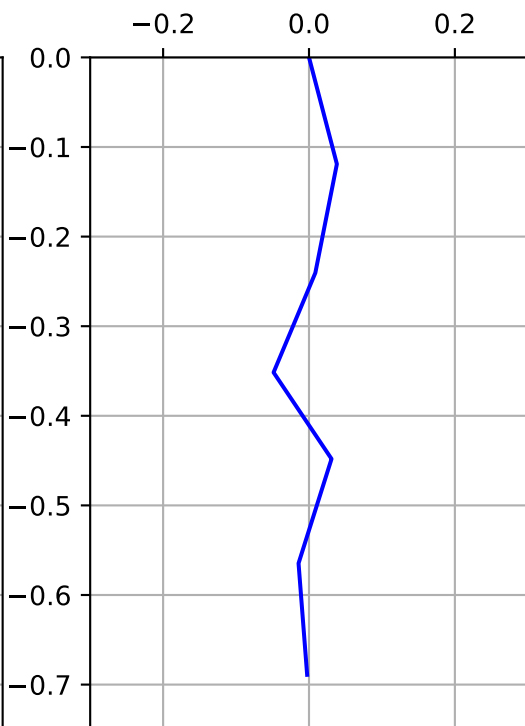


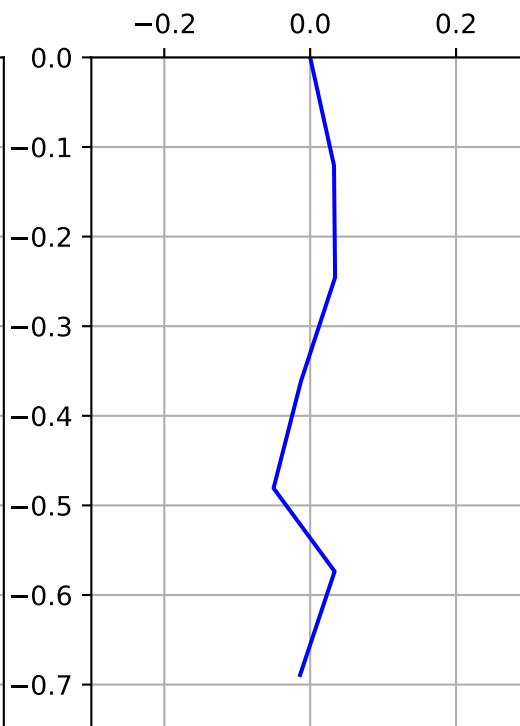
Mode 1 - $\omega = 35.42$ rad/s



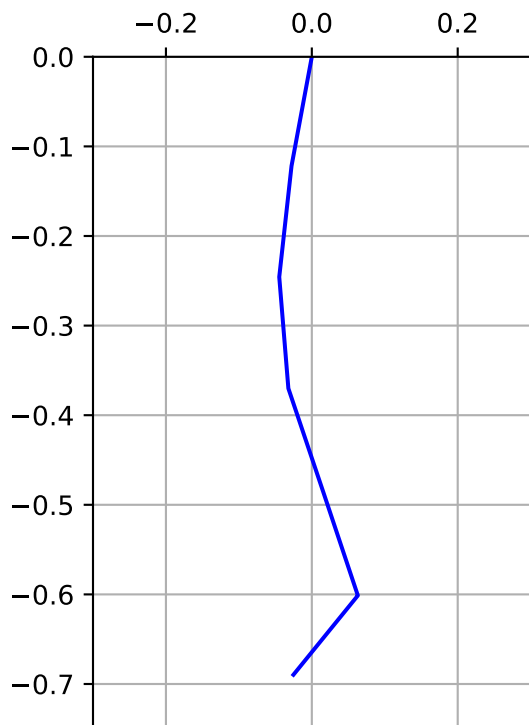
Mode 2 - $\omega = 27.79$ rad/s



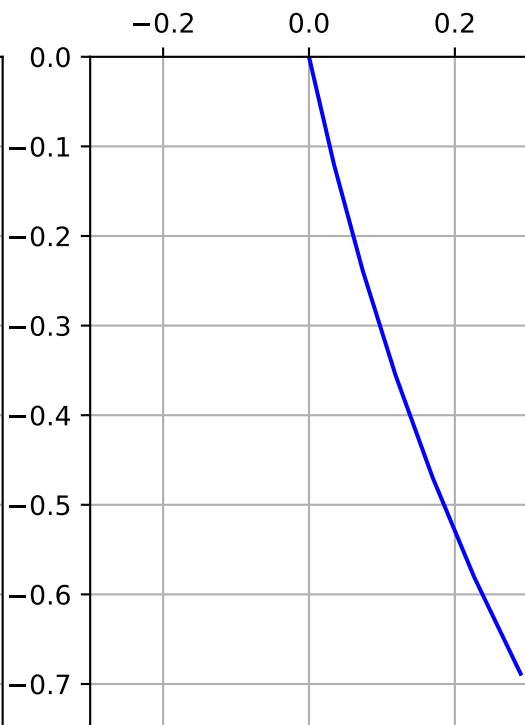
Mode 3 - $\omega = 21.29$ rad/s



Mode 4 - $\omega = 15.33$ rad/s



Mode 5 - $\omega = 4.18$ rad/s



Mode 6 - $\omega = 9.66$ rad/s

