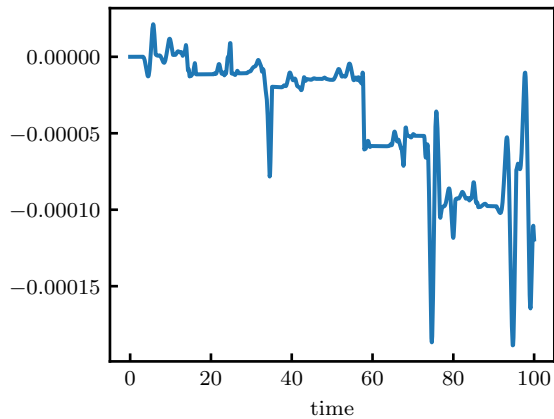
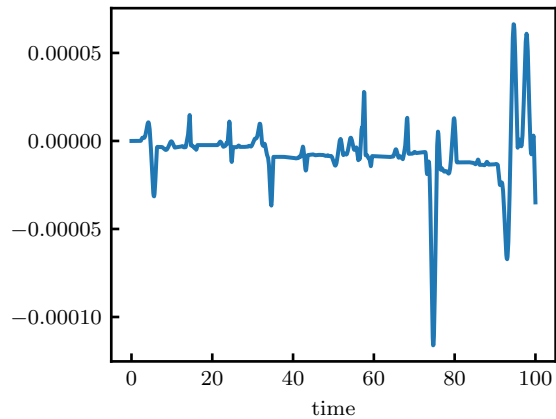


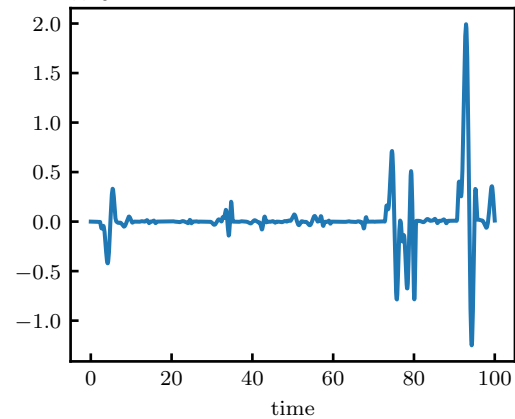
qmq* component 1



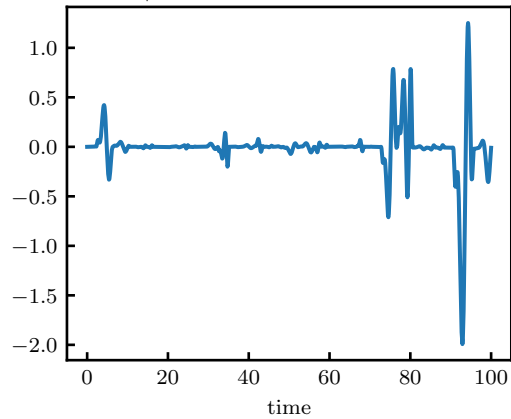
qmq* component 2



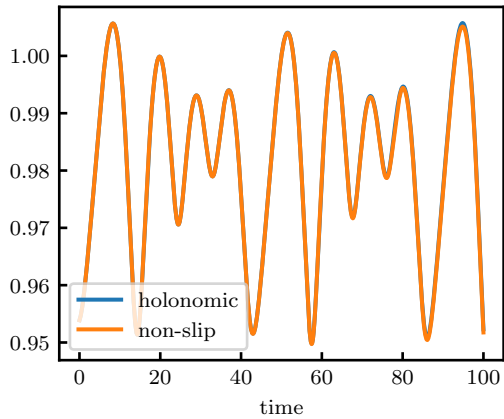
$\times 10^{-5} - 1$ qmq* component 3



$\times 10^{-5} + 1$ Q norm



z position



xy trajectory

