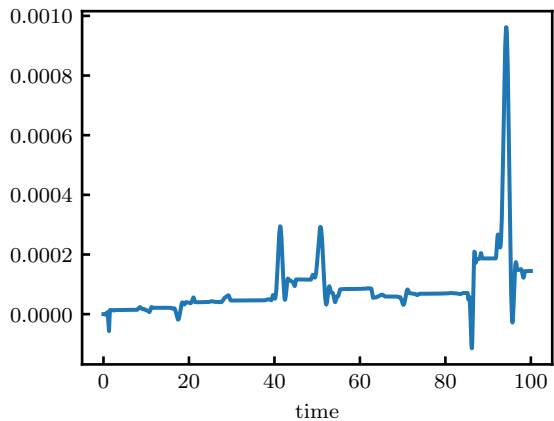
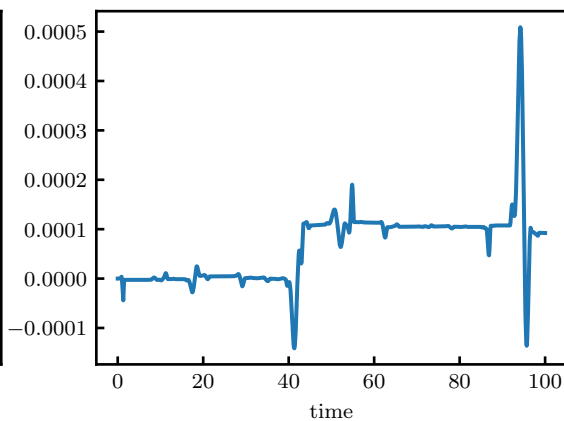
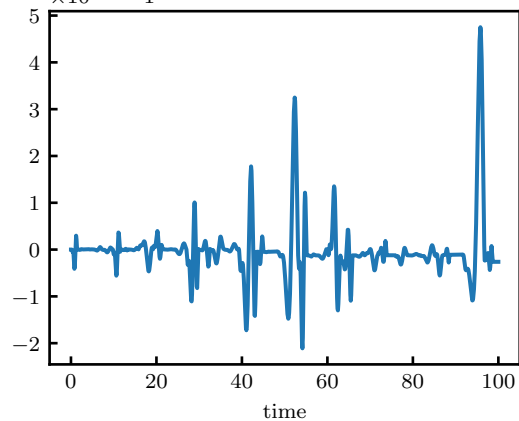
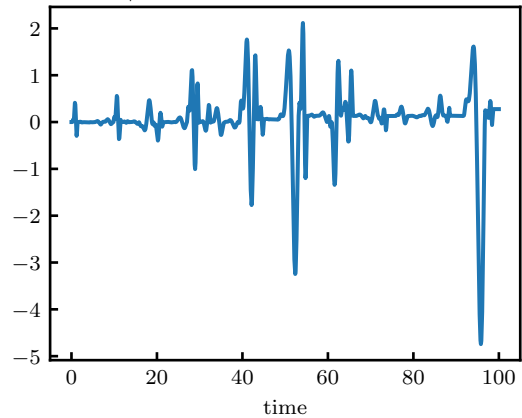


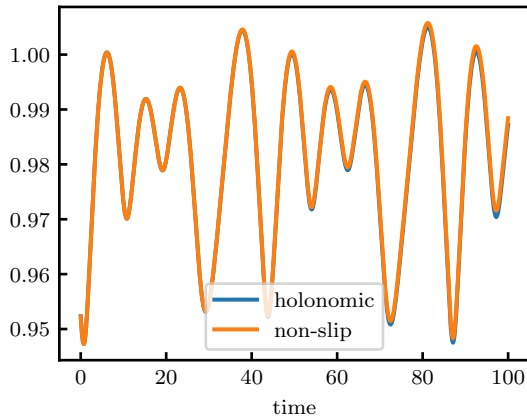
qnq\* component 1



qnq\* component 2

 $\times 10^{-6} - 1$  qnq\* component 3 $\times 10^{-6} + 1$  Q norm

z position



xy trajectory

