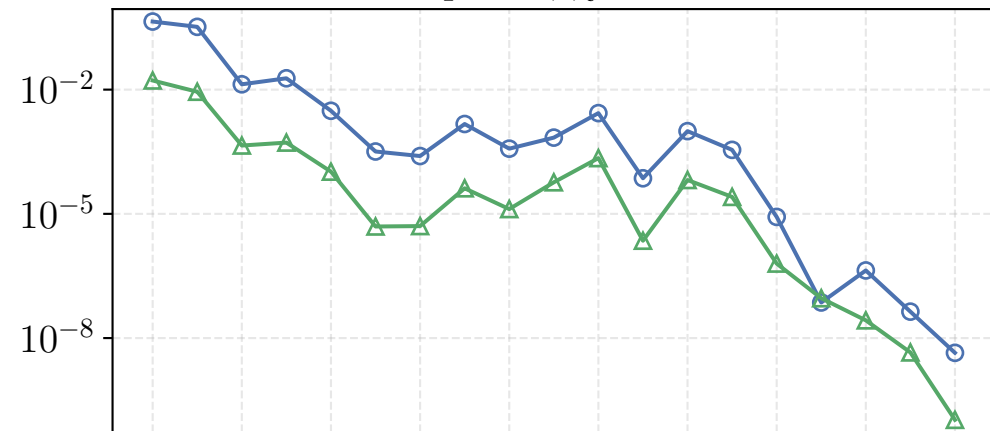


$q = 10, \chi = 0$  $q = 10, \chi = 0$ (CoM offset)