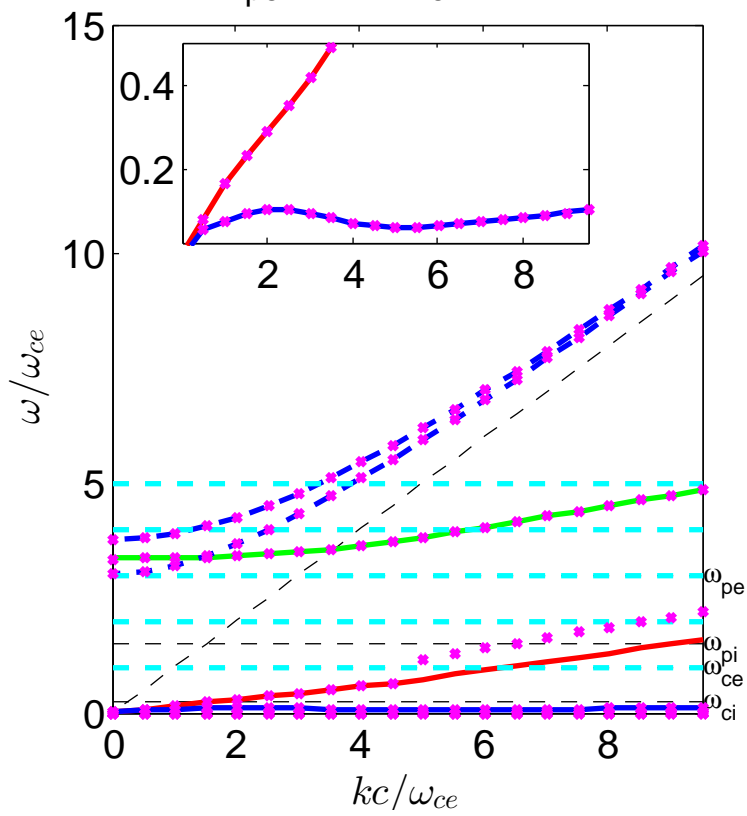


(a)  $\omega_{pe}=3$ ,  $m_i/m_e=4$ ,  $N=2$ ,  $\theta=0$



(b)  $J=8$ ,  $NN=249$

