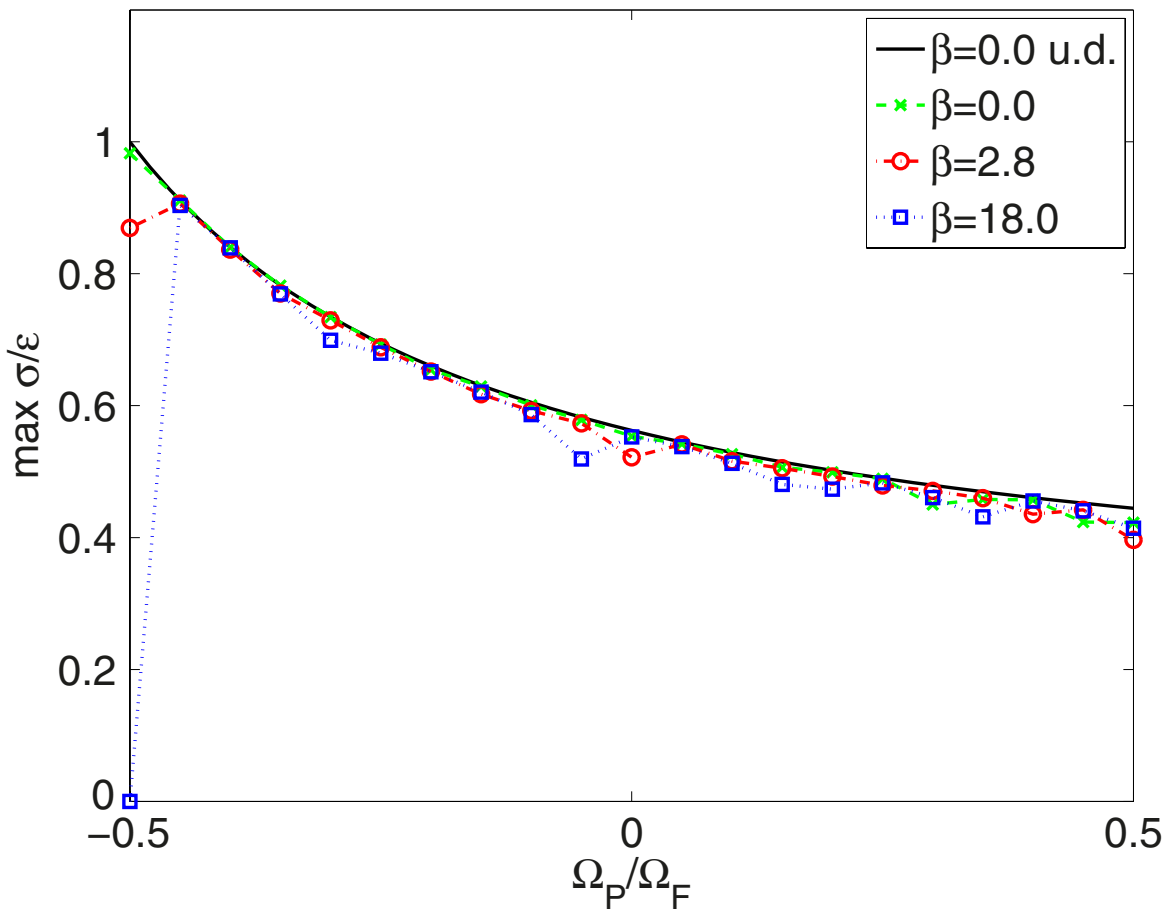
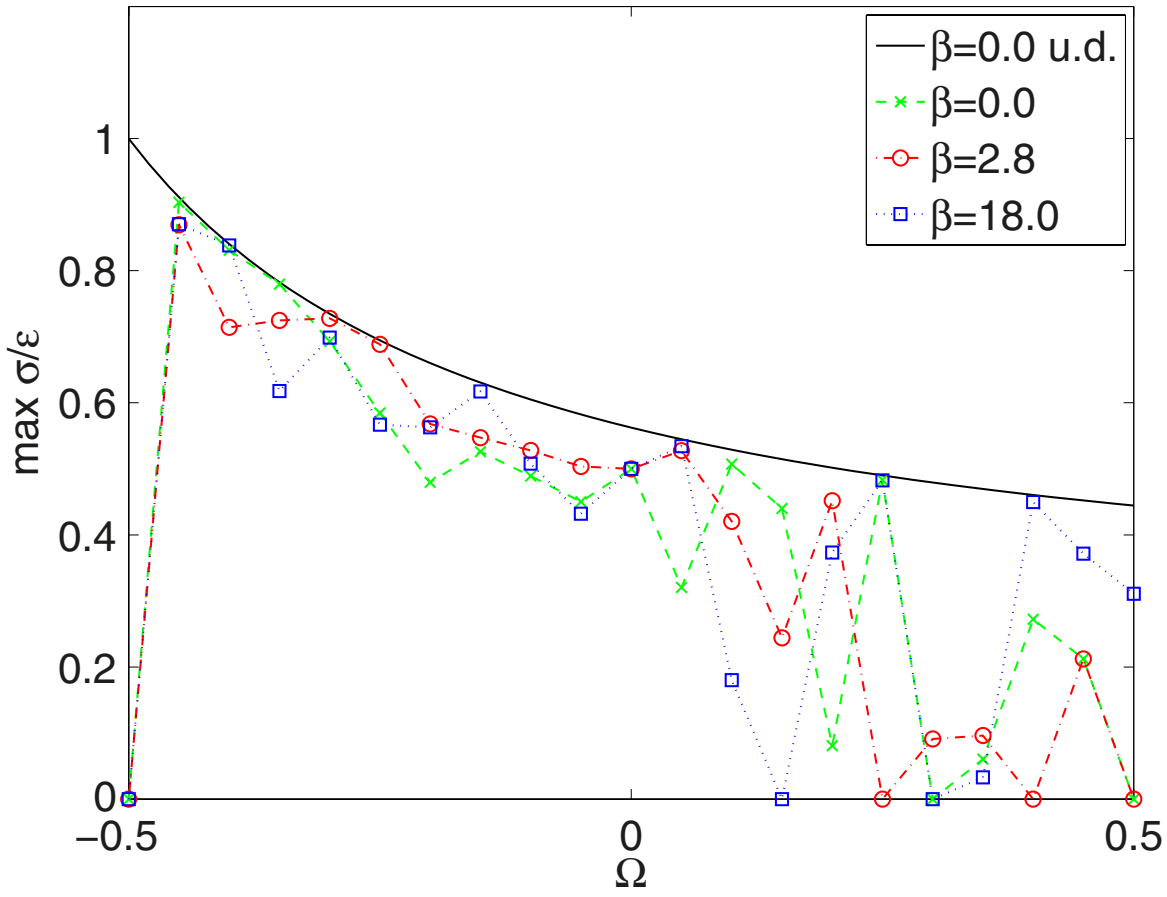


(a) $\epsilon = 1 \times 10^{-2}$, $Ek = 0$



(b) $\epsilon = 1 \times 10^{-3}$, $Ek = 0$