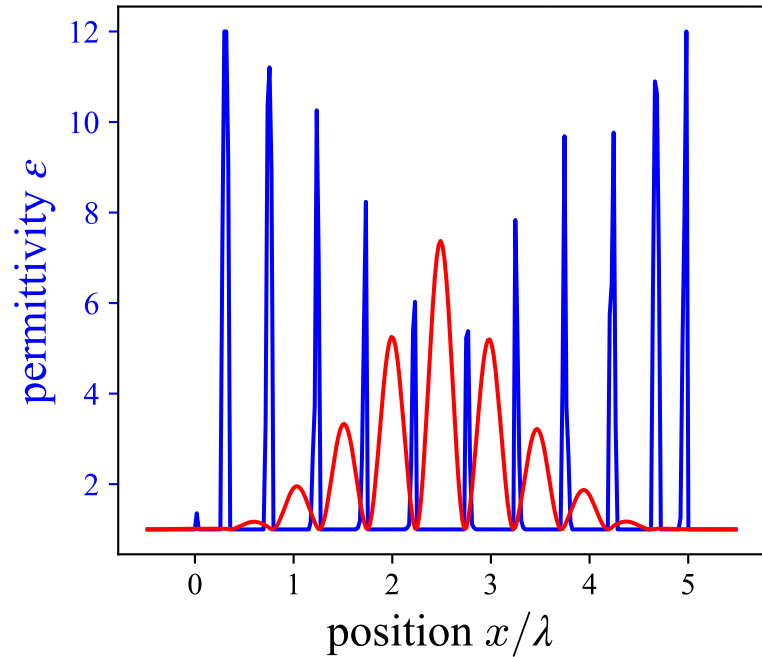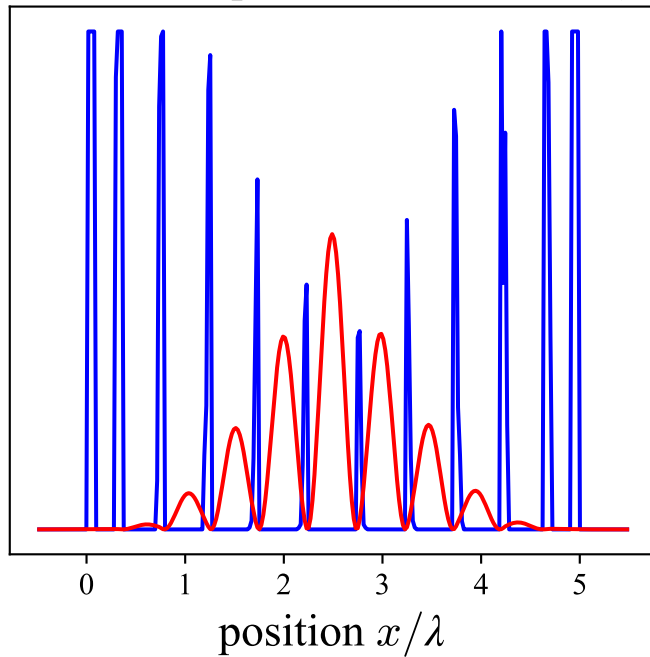unshifted initialization ($Q = 2,150$)   unshifted optimum ($Q = 18,300$)   shifted optimum ($Q = 144,000$)