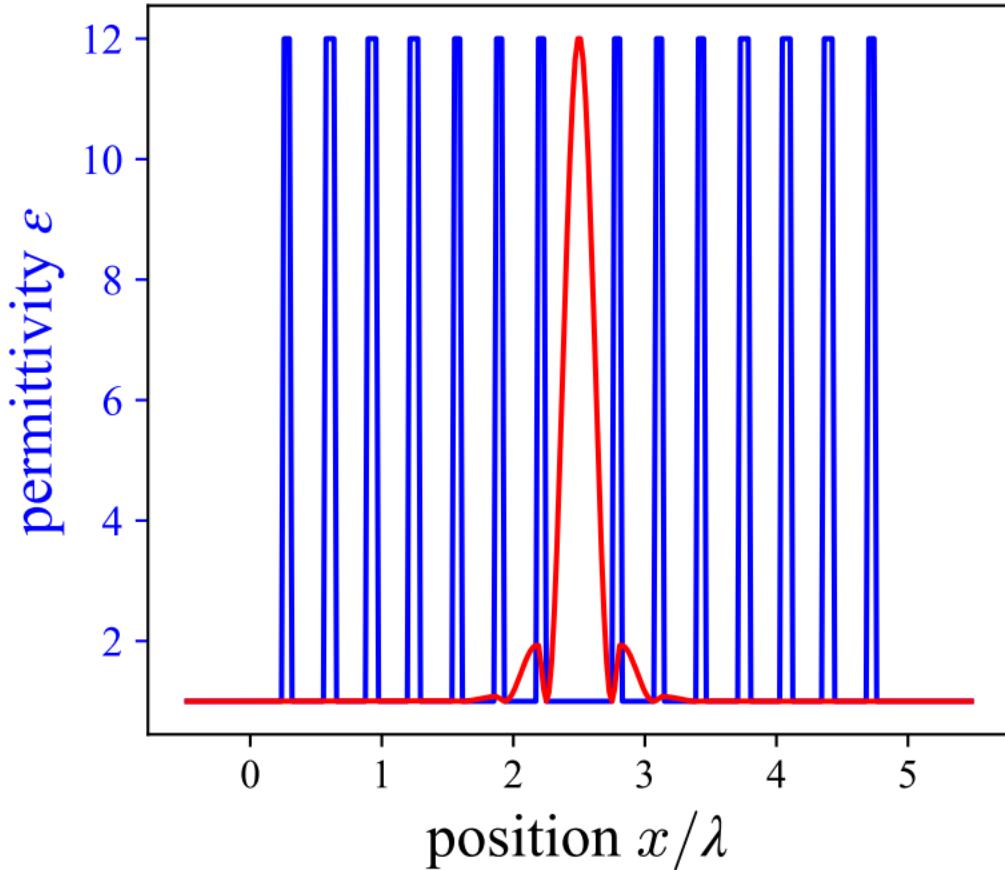
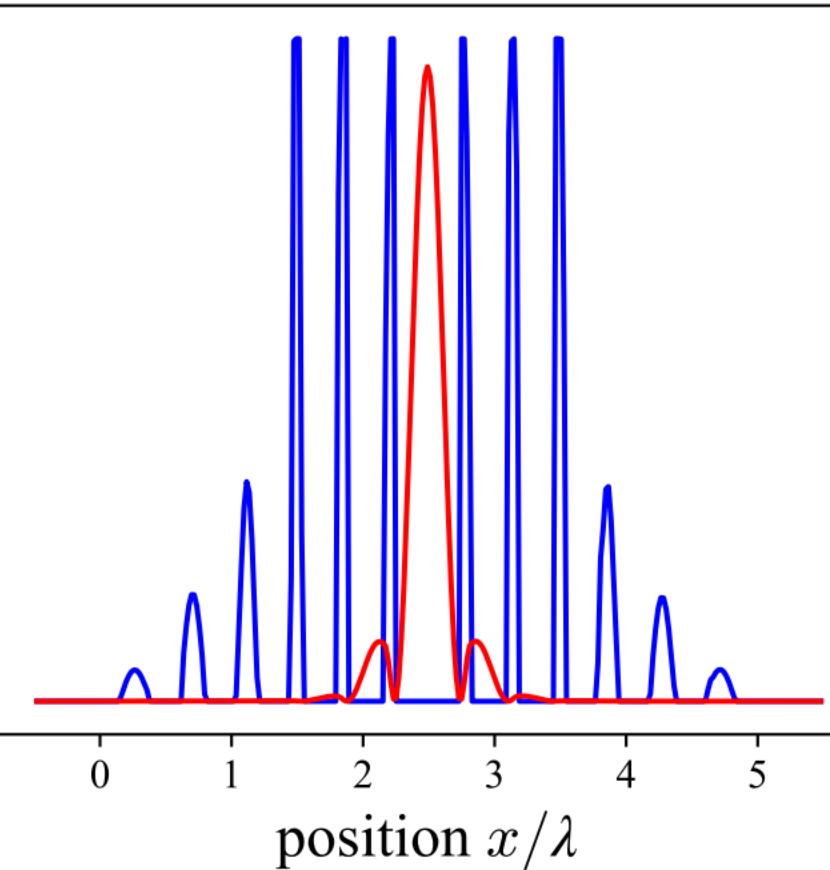


quarter-wave stack ($Q = 3.97 \times 10^7$)



unshifted refined optimum ($Q = 22,600$)



shifted refined optimum ($Q = 4.29 \times 10^8$)

