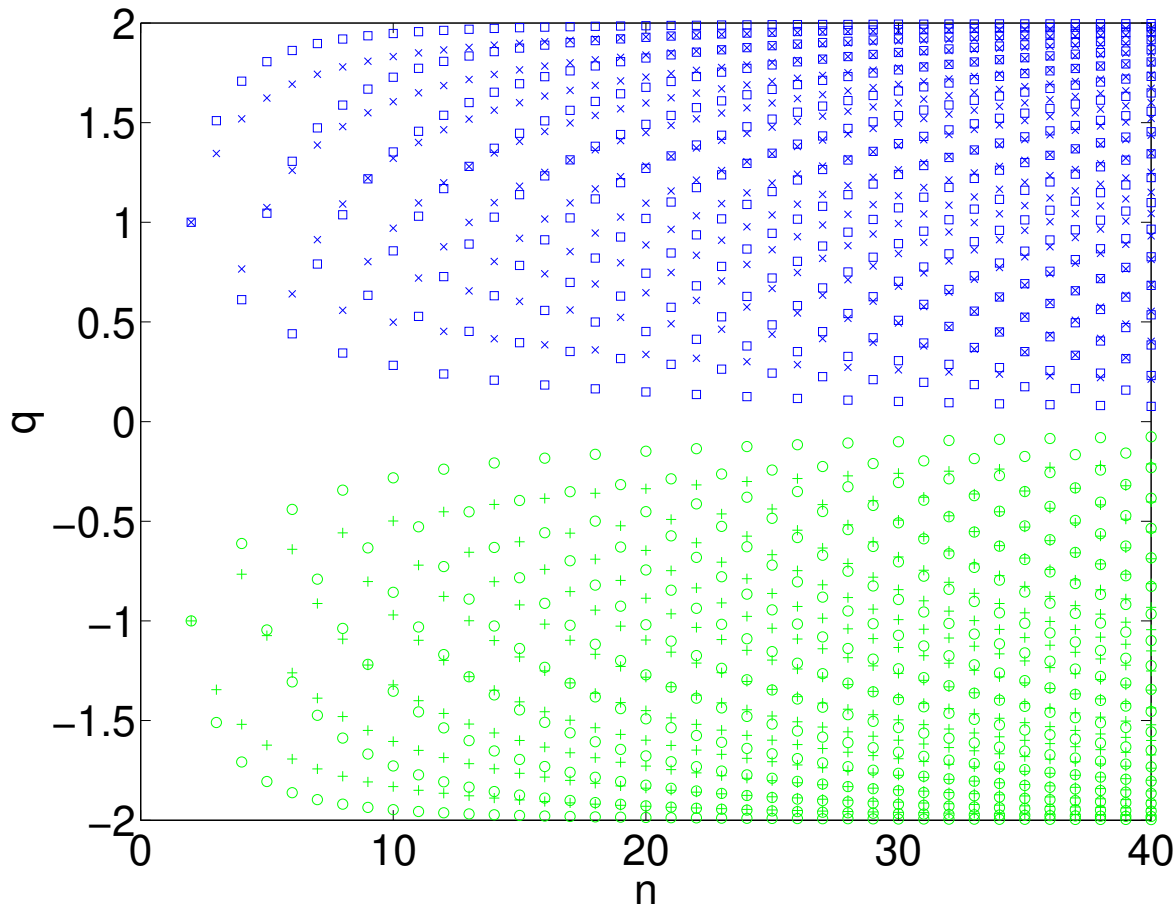
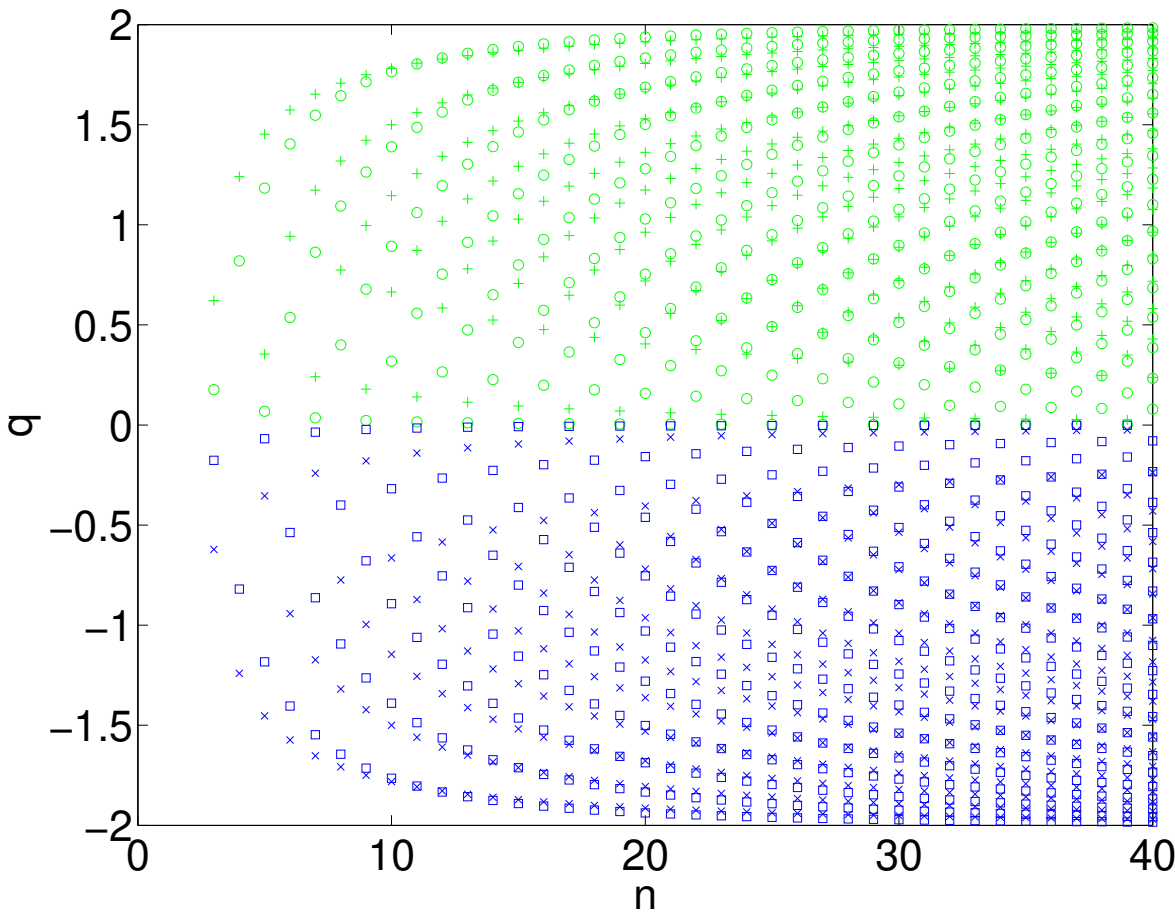


(a) Modes with $kq > 0$



(b) Modes with $kq < 0$