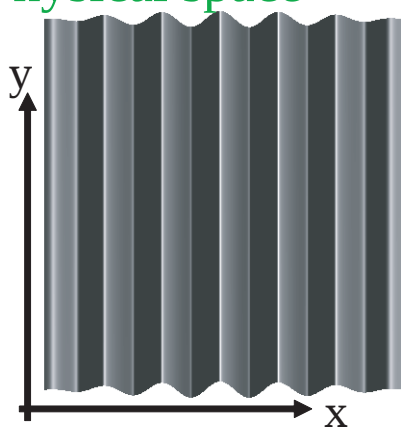
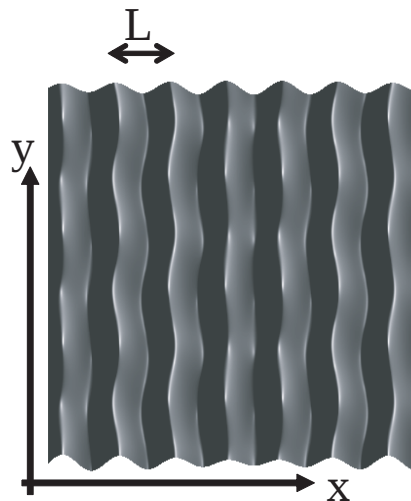


regular waves

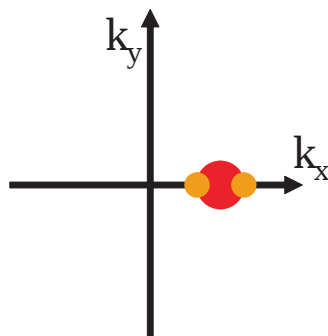
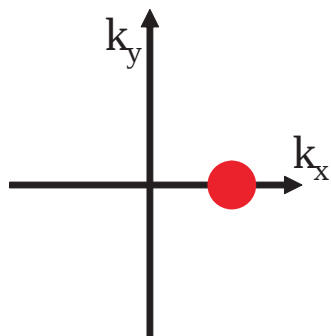
Physical space



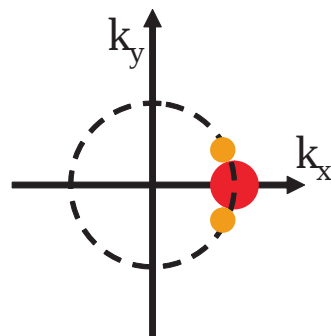
wave group



Short-crested waves



Spectral space



$$k = \sqrt{k_x^2 + k_y^2} = 2\pi / L$$