Autumn Term, Week 10 Tutorial
Jiachen Jiang

Read the following sections of University Physics and lectures. 2D waves and Python Programming

Similar to Exercise-8 on the "Maths for Waves" Worksheet, consider a 2D wave of z=cos(***k***•***r***-wt), ***k*** is the wave factor, ***k***=(k1, k2); ***r*** is the position of a point, ***r***=(x,y); w=2π/T is the angular frequency of the wave.

Write a Python program to visualise the wave at t=0, 1/4T, 1/2T, 3/4T by given k1 and k2.