

Introduction to Reciprocal Space
Assignment 2

- 1) Generate the diffraction pattern for an FCC crystal, for the zone axis [111], assume the real crystal has a lattice parameter of 2 Å.
(5 Marks)

- 2) For a two dimensional lattice with $a = b$ and $\alpha = 120^\circ$, draw and identify the first and the second Brillouin zones
(5 Marks)