UNIVERSITÄT SIEGEN
FESTKÖRPERPHYSIK

Crystallography (winter semester 2017)

9. Homework 32 Point Groups

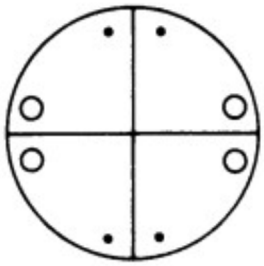
1. Draw the symmetry diagrams for the trigonal crystal system
a. Point Group 32
b. Point Group 3m

2. Draw the symmetry diagrams for the tetragonal crystal system
a. Point Group 422
b. Point Group 4/m

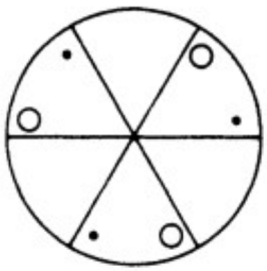
3. Draw the symmetry diagrams for the hexagonal crystal system
a. Point Group 6mm
b. Point Group 6/m
c. Point Group 622

4. Define corresponding point groups for the depicted below symmetry diagrams:

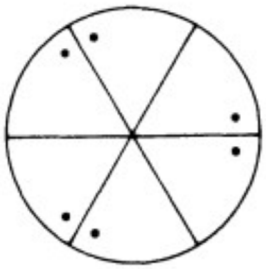
a.



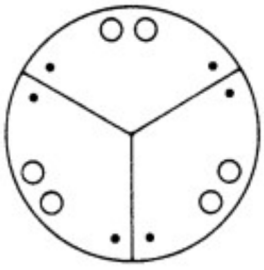
b.



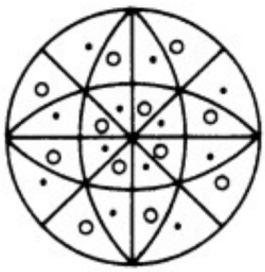
c.



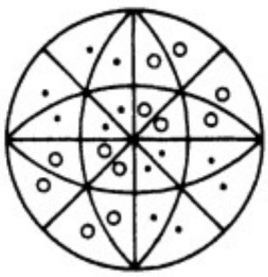
d.



e.



f.



Follow a link for visualization of the point groups

http://materials.cmu.edu/degraef/pg/pg_gif.html