MS2040\_01 Introduction to crystal structures and diffraction theories

Homework #1 Due: 10/2 after class

You are encouraged to organize a study group to solve the problem set.

1. Draw a standard (111) stereographic projection of a cubic crystal, showing all poles of the form <100>, <110>, <111> and the great circles {100}, {110}, and {111}.
2. Draw a standard (0001) stereographic projection of beryllium ( hexagonal, c/a=1.57), showing all poles of the form , , ,  and the great circles  and .