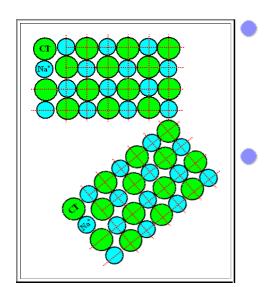
Exercise 3.2-2 Interface Polarization



Look at a grain boundary in a simple ionic crystal. Take two grains, for example, that are only rotated with respect to each other and are joined along some grain boundary as shown below



Construct a grain boundary by filling in material

Show that in most cases the boundary will be charged and contain dipoles



Link to the solution