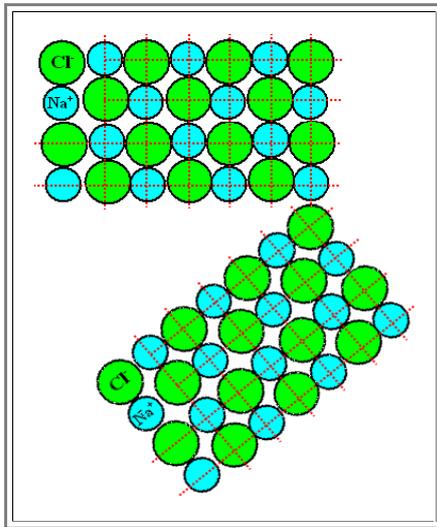


Exercise 3.2-2 Interface Polarization

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

Illustration



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](#)