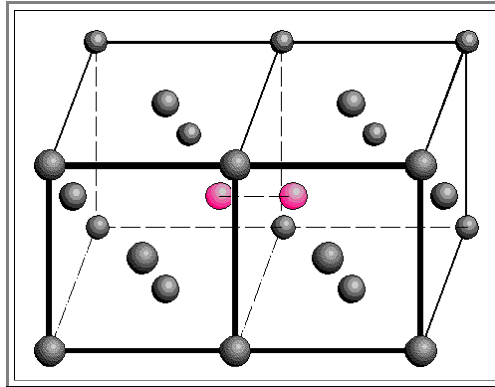


Dumbbells

A more symmetrical position for an interstitial atom may be obtained if two atoms share the space of one.

This is illustrated below for a **fcc** crystal; a configuration like this is called a dumbbell. In the dumbbell configuration, the interstitial now has a preferred direction; it is no longer isotropic.



In **bcc** crystals, a dumbbell configuration exists, too; it is shown below. Again, the interstitial now has a preferred direction.

