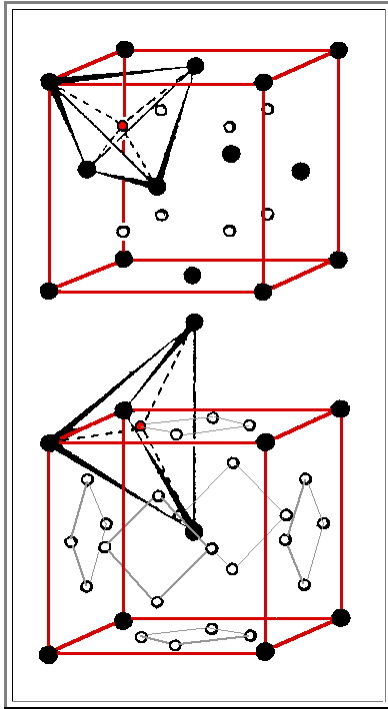


Tetrahedral Sites

- In a tetrahedral site the interstitial is in the center of a tetrahedra forms by four lattice atoms. Three atoms, touching each other, are in plane; the fourth atom sits in the symmetrical position on top.
- Again, the tetrahedral site has a defined geometry and offers space for an interstitial atom.

Illustration



- The configuration on top is the tetrahedral position in the **fcc** lattice. The black circles denote lattice points, the red circle marks one of the **8** the tetrahedral position.
- The picture on the bottom shows the tetrahedral configuration for the **bcc** lattice. We have $(6 \cdot 4)/2 = 12$ positions per unit cell.