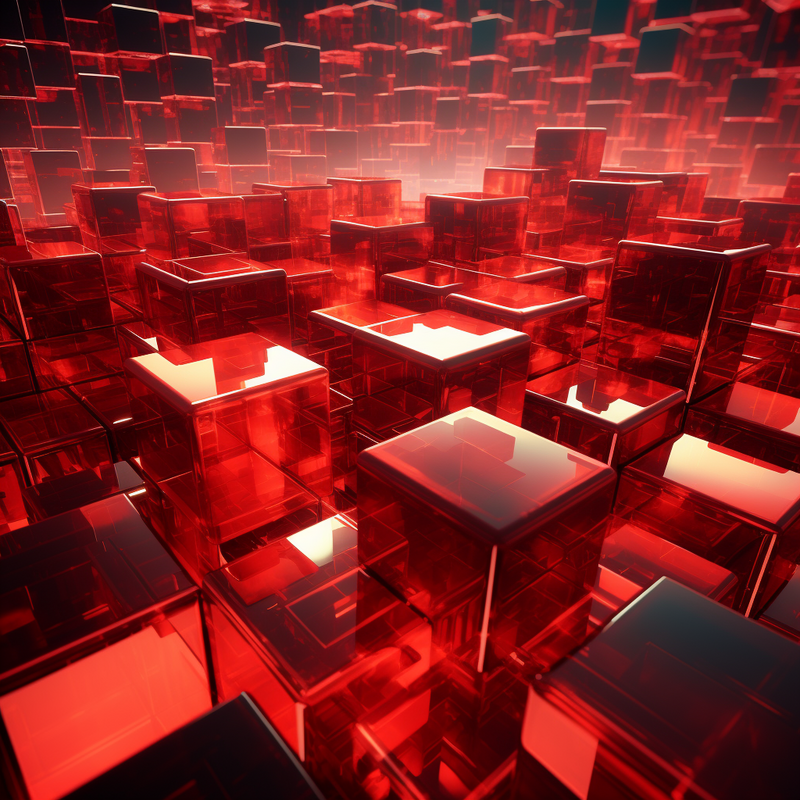
CUBIC



 The Cubic crystal is one of the most common class of crystals. As the name itself suggests, all crystal structures of this system have a cube-shaped unit cell with edge length given by the lattice parameter 'a'.

The Cubic crystal is one of the few known simple cubic lattices). Below we again see a section of the simple cubic lattice as it "really" is - with the atoms touching one another. Note the channels formed by the alignment of the interstitials.

1. The symmetry of diffraction patterns gives us the tools to distinguish between crystal systems and in particular between the cubic and the tetragonal system.
2. For a single crystal diffraction pattern, the symmetry of the intensities allows us to distinguish between the two systems.

* To meditate with crystals.
* To decorate your room or office.
* To make you feel happy.
* To use it as jewellery.