

Unit 1: CRYSTALLOGRAPHY

Topics:

Crystalline and amorphous solids, Lattice and unit cell, Seven crystal system and Bravais lattices, Symmetry operation, Miller indices, Atomic radius, Coordination number, Packing factor calculation for SC, BCC, FCC, Bragg's law of X-ray diffraction, Laue Method, Powder crystal method.

Links

1. <https://www.youtube.com/watch?v=tx7K0MMDyGY&list=PLNsppmbLKJ8KeElxy81OIC-AGIWJAG8gL&index=38>
2. <https://www.youtube.com/watch?v=kxpxUV8NdDM&list=PLNsppmbLKJ8KeElxy81OIC-AGIWJAG8gL&index=37>
3. <https://www.youtube.com/watch?v=gnqPFDI7L30&list=PLNsppmbLKJ8KeElxy81OIC-AGIWJAG8gL&index=35>