

SNS COLLEGE OF TECHNOLOGY



(AN AUTONOMOUS INSTITUTION) SNS Kalvi Nagar,Saravanampatti Post Coimbatore - 641 035 Approved by AICTE, New Delhi &Affiliated to Anna University, Chennai Accredited by NBA & accredited by NAAC with 'A++' Grade, Recognized

Crystal Structures Simple cubic structure There is one atom at each corner of the visit Cell. These atoms Touch each other along cube edge 1. NI of atoms per unit cell share of each write cell = } of each corner atom TO tal no of abom in one unit cell = 1 x = 1 at cit. It has a corner ations. I at us consider one of the conner ations (x) There are 4 readest neighboring along to This particular atom 'n' ""ch are i'n a horizontal stane. & 2 more alons in vortical plan Hence, the co-ordination no for sec = 6. 3. Artonia gaduis ar=a 7= 0/1 A. Parking factor No. of along per unit Cell=1. Tolume of one atom V= 4 11 x 3 of alls. ar=a "Total volume of a the unit cell = a => 3.14 a3 7F: 52 / by the atoms occupied Volume is Vacant polonium



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