

Copy of printed photographic images of models referenced as "Cubic and Hexagonal close packing"

Contributors

Fuller, Watson, 1935-

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January 1965

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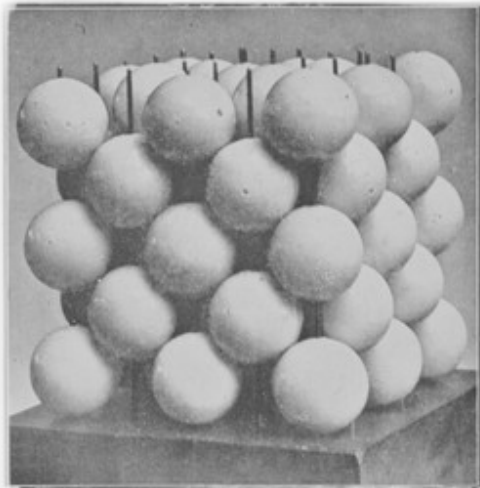
THE STATE

due to a competition between
 forces. The first tendency
 is to pack spheres. The
 second tendency is to
 form chains. The third
 tendency is to form
 layers. The fourth
 tendency is to form
 a network. The fifth
 tendency is to form
 a complex structure.

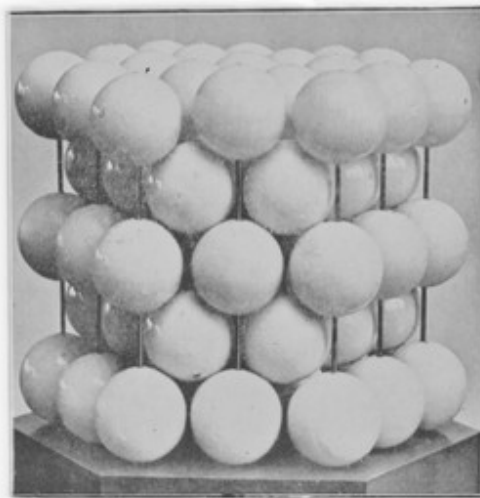


in the two forms of closest packing
 d by many metals are of three
 A₃ in Esaki's Strukturlehre,
 189. The types A₁ and A₂ are
 ways of packing equal spheres
 sphere is the maximum possible.
 spheres the centers lie at the corners
 of a cube. The next layer
 is marked (1) in Fig. 88. The next layer
 is marked (2) in Fig. 89. It is
 the triangle below. It is adding the
 alternative (1) may either be put
 (5), or (6) in the alternate position
 88 (a) in the cubic lattice
 solid axis. Fig. 89 (a) is the
 packing consisting of two layers

FIGURE VIII



A₁, Cubic



A₃, Hexagonal
Cubic and hexagonal closest packing of
equal spheres

(From Poppe's Modern Atomic and Molecular Physics)