

AMMR-18 DIFFUSION IN SOLIDS

1. Diffusion equations and mathematical solutions
2. Phenomenological diffusion theories
3. Atomic theory of diffusion,
4. Theoretical and experimental investigation of diffusion in ionic solids and semiconductors
5. Grain boundary and surface diffusion, thermal & electric-diffusion.

Reference Book:

1. Diffusion in Solids, Paul G. Shewmon (McGraw Hill)

