

DIFFUSION IN A PLANE SHEET

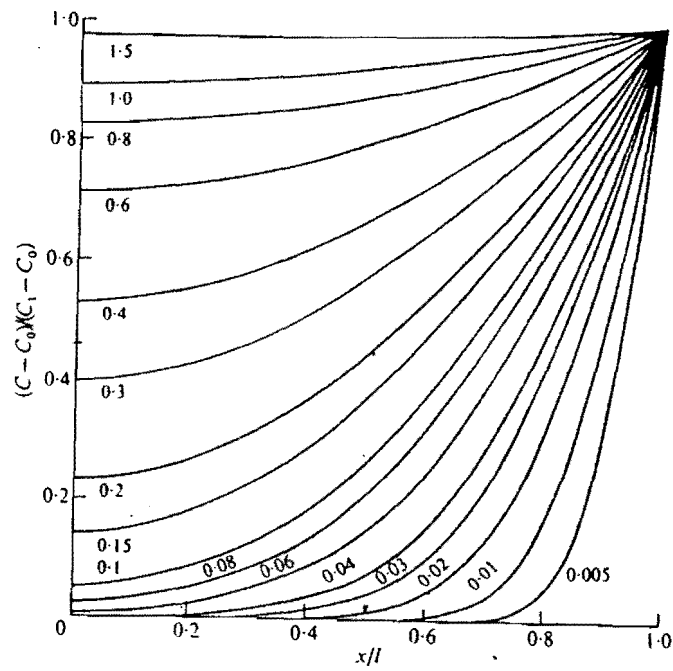


FIG. 4.1. Concentration distributions at various times in the sheet $-l < x < l$ with initial uniform concentration C_0 and surface concentration C_1 . Numbers on curves are values of Dt/l^2 .

DIFFUSION IN A CYLINDER

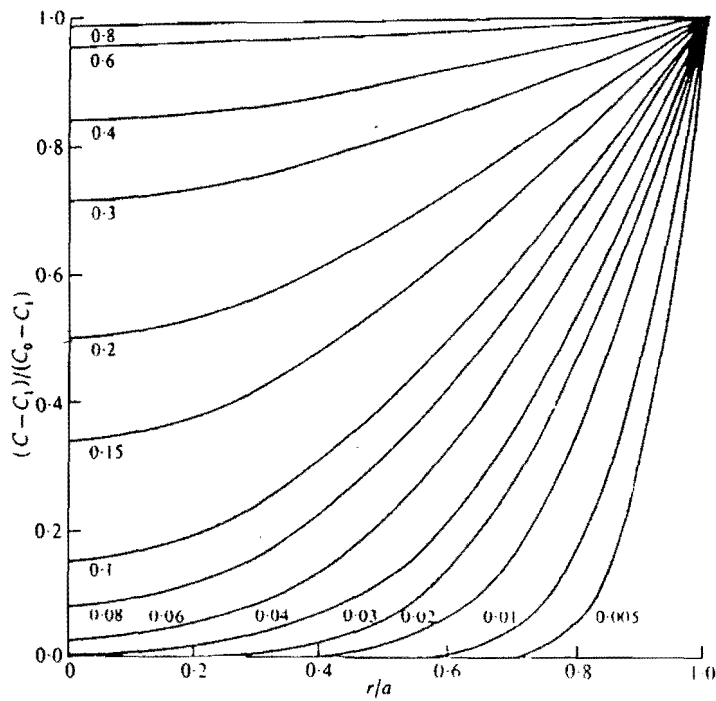


FIG. 5.3. Concentration distributions at various times with initial concentration C_1 and surface concentration C_0 . Numbers on curves are values of Dt/a^2 .

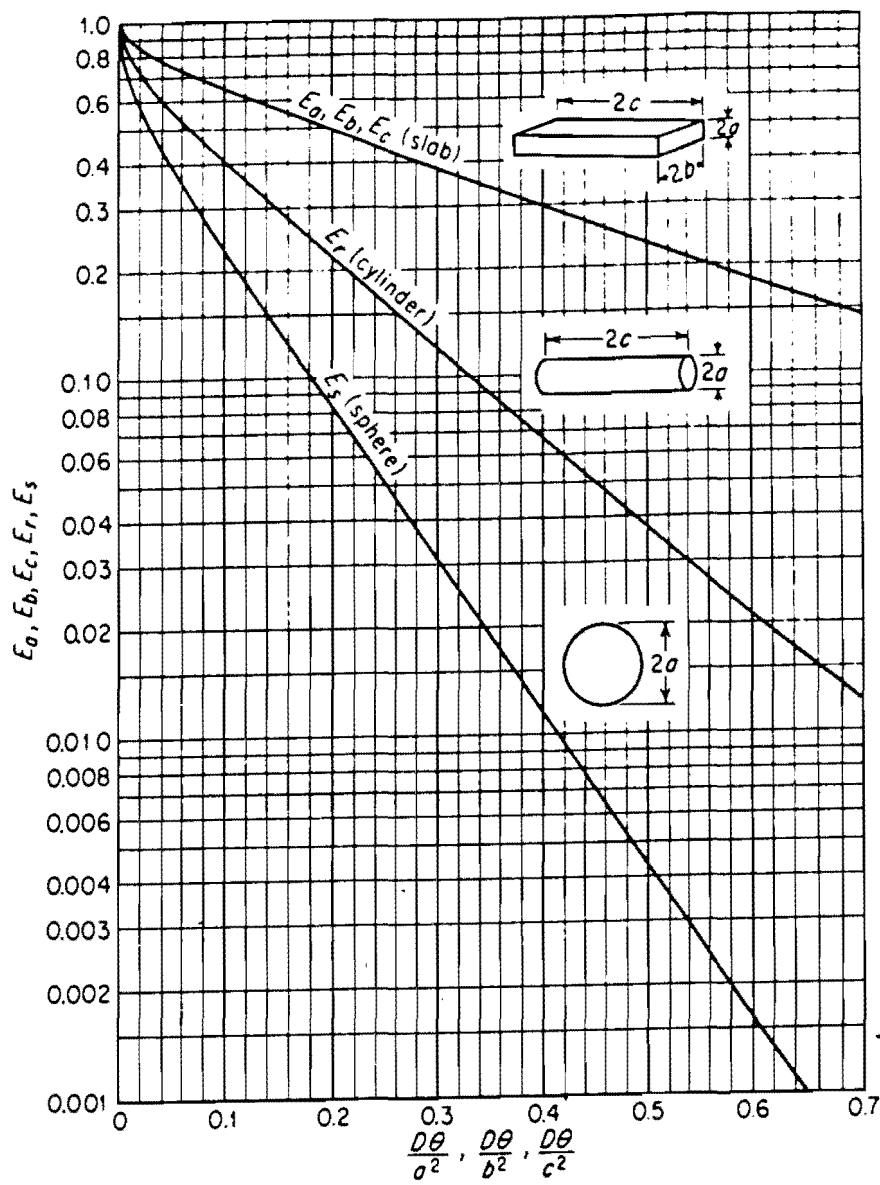


Figure 4.2 Unsteady-state diffusion.

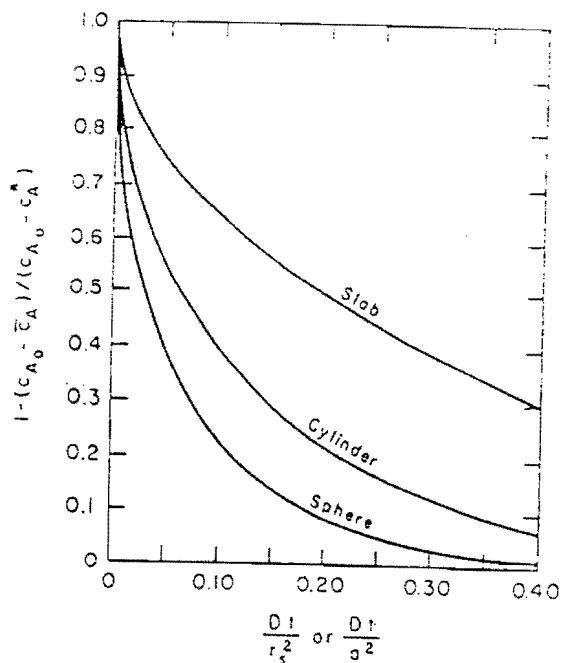


Figure 2.2. Unsteady-state molecular diffusion in a sphere, slab, or cylinder (Newman, 1931).

DIFFUSION IN A SPHERE

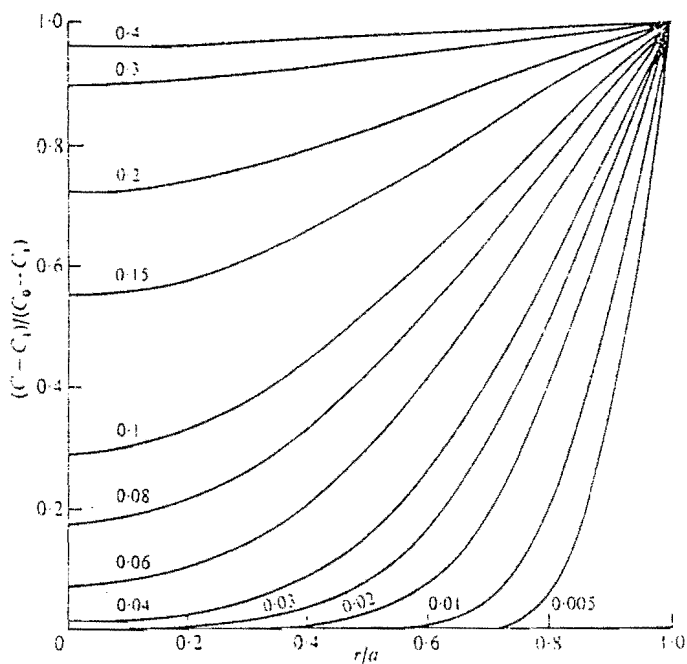


Fig. 6.1. Concentration distributions at various times in a sphere with initial concentration C_1 and surface concentration C_0 . Numbers on curves are values of Dt/a^2 .