FIGURE 6.6
Comparison of accurate solutions in the vicinity of an abrupt p-n junction with the results of the depletion approximation: (a) $\rho(x)$; (b) $\mathscr{E}(x)$; (c) $\phi(x)$; (d) $n_o(x)$ and $p_o(x)$. (Dashed lines represent the approximation.)

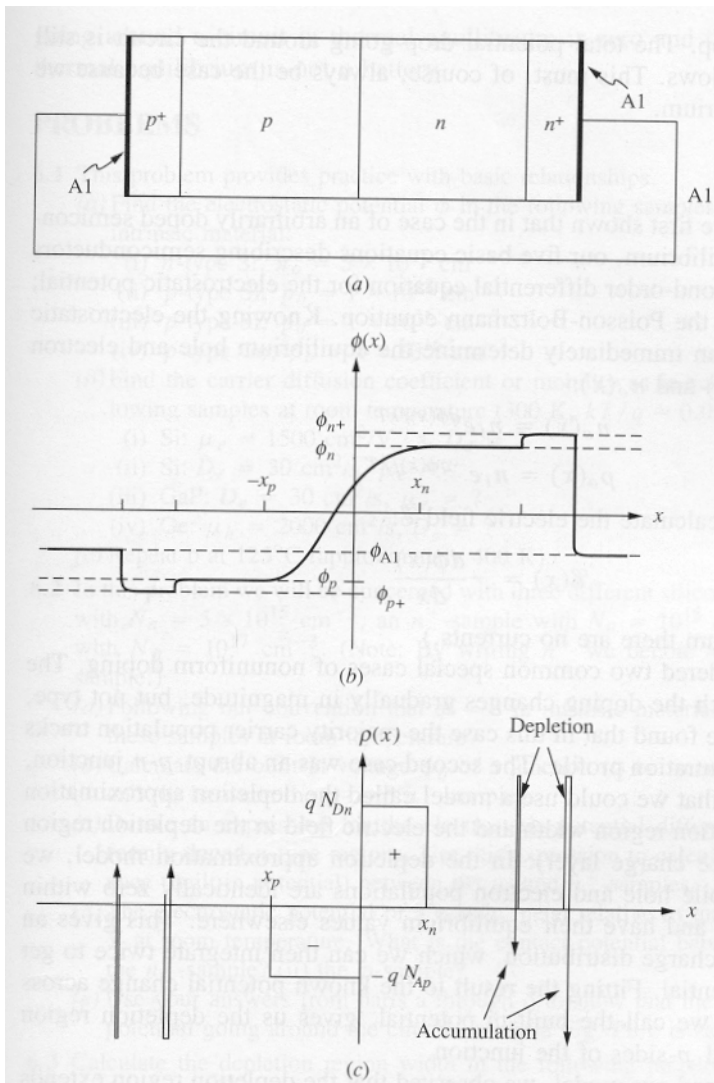adapted from <u>Microelectronic devices and circuits</u>, Fonstad, 1994.

FIGURE 6.8
(a) Typical abrupt p-n diode with two aluminum ohmic contacts and an aluminum wire connecting them; (b) plot of the electrostatic potential through the structure in (a); (c) the corresponding net charge distribution.

adapted from Microelectronic devices and circuits, Fonstad, 1994.