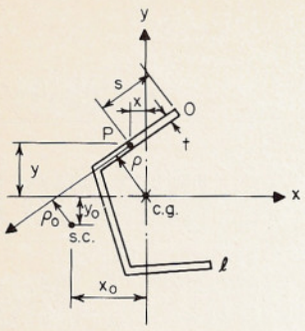

Fig. B.1

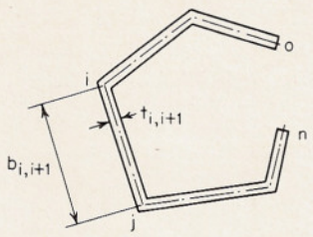

Fig. B.2

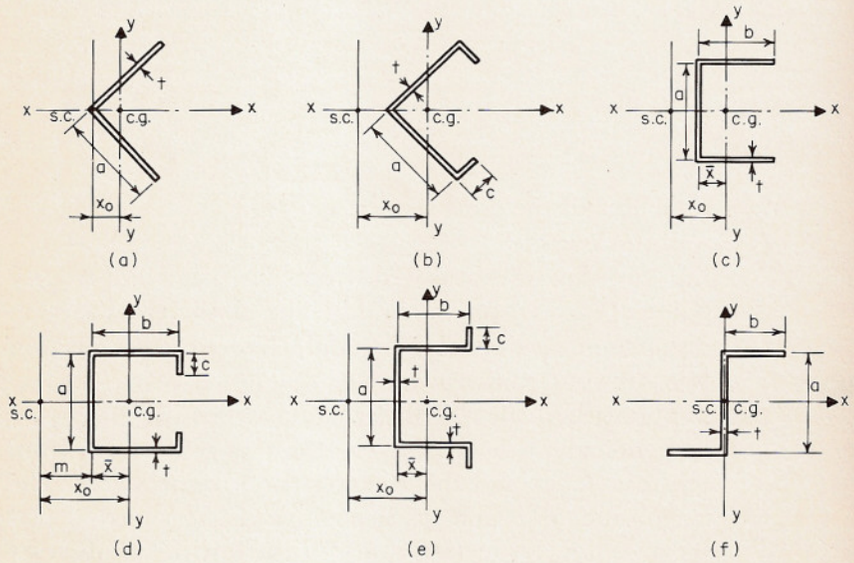

Fig. B.3

TABLE B.1 Values of x_0, y_0, and C_w for Angles, Channels, Hat Sections and Z-Sections

Section	x_0	y_0	C_w

TABLE B.1 Values of x_0, y_0, and C_w for Angles, Channels, Hat Sections and Z-Sections (*Continued*)

Section	x_0	y_0	C_w
			where $A = (a + 2b + 2c)t$ $\bar{x} = \dfrac{bt(b + 2c)}{A}$ $m = \dfrac{bt}{12I_x}(6ca^2 + 3ba^2 - 8c^3)$ $I_x = \dfrac{t}{12}(a^3 + 6ba^2 + 6ca^2 - 12ac^2 + 8c^3)$
Hat section (Fig. B.3*e*)	$\dfrac{bt(b + 2c)}{A} + \dfrac{bt}{12I_x}(6ca^2 + 3a^2b - 8c^3)$	0	$\dfrac{a^2}{4}\left[I_y + \bar{x}^2A\left(1 - \dfrac{a^2A}{4I_x}\right)\right] + \dfrac{2b^2tc^3}{3} - ab^2c^2t + \dfrac{a^2btc^3\bar{x}A}{3I_x} - \dfrac{4b^2t^2c^6}{9I_x}$ where $A = (a + 2b + 2c)t$, $\bar{x} = \dfrac{bt(2c + b)}{A}$ $I_x = \left(\dfrac{t}{12}\right)(a^3 + 6ba^2 + 6ca^2 + 12ac^2 + 8c^3)$ $I_y = \dfrac{tb^2}{3(a + 2b + 2c)}(2ab + b^2 + 4bc + 6ca)$
Z-section (Fig. B.3*f*)	0	0	$\dfrac{(tb^3a^2/12)(b + 2a)}{2b + a}$