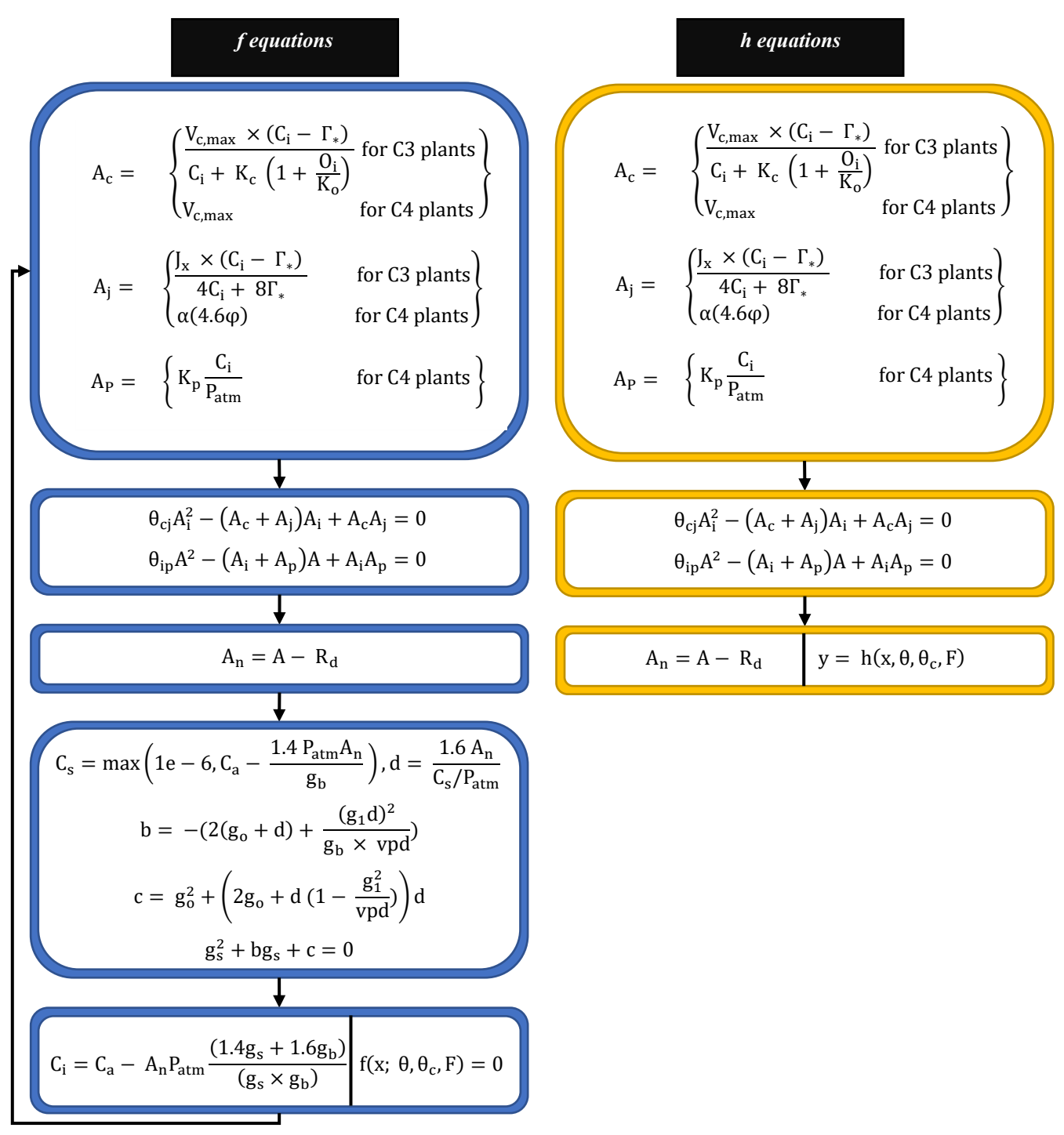
f equations
h equations
$A_c = \begin{cases} \frac{V_{c,max} \times (C_i - \Gamma_*)}{C_i + K_c\left(1 + \frac{O_i}{K_o}\right)} & \text{for C3 plants} \\ V_{c,max} & \text{for C4 plants} \end{cases}$
$A_j = \begin{cases} \frac{J_x \times (C_i - \Gamma_*)}{4C_i + 8\Gamma_*} & \text{for C3 plants} \\ \alpha(4.6\varphi) & \text{for C4 plants} \end{cases}$
$A_P = \begin{cases} K_p \frac{C_i}{P_{atm}} & \text{for C4 plants} \end{cases}$
$\theta_{cj}A_i^2 - (A_c + A_j)A_i + A_cA_j = 0$
$\theta_{ip}A^2 - (A_i + A_p)A + A_iA_p = 0$
$A_n = A - R_d$
$C_s = \max\left(1e-6, C_a - \frac{1.4\,P_{atm}A_n}{g_b}\right), d = \frac{1.6\,A_n}{C_s/P_{atm}}$
$b = -(2(g_o + d) + \frac{(g_1 d)^2}{g_b \times vpd})$
$c = g_o^2 + \left(2g_o + d\left(1 - \frac{g_1^2}{vpd}\right)\right)d$
$g_s^2 + bg_s + c = 0$
$C_i = C_a - A_nP_{atm}\frac{(1.4g_s + 1.6g_b)}{(g_s \times g_b)}$
$f(x;\ \theta, \theta_c, F) = 0$
$y = h(x, \theta, \theta_c, F)$