

٢٣ هزار إدارة وترشيد وتوزيع مياه الري

$I = ET + \Delta S - P$	$Q = C \cdot L \cdot P \cdot R^{0.5}$
$\Delta S = \theta E - \theta B$	$Q_s = 11.6 \times C \sqrt{A}$
$I = ET + D + \theta E - \theta B + R - P$	$Q_s = 0.012 \sqrt{Q} L$
$I = ET + \Delta S - P$ $Y = -4941 + 35.83(AW) - 0.0195(AW)^2$ $B = 8.2 + 16.4(I) - 0.4(I)^2$ $C = -5.2 + 19.5(I) - 1.2(I)^2 + 0.03(I)^3$	$Q_s = C \cdot L \cdot P \sqrt{R}$ $Q_s = 1.9 Q^{1/16}$ $Q = K(B + 2d)$ $T_o = \frac{3(B + 2d)}{2}$ $2x = q/k$
$E_c = 100 \frac{W_f}{W_r}$ $E_a = 100 \frac{W_s}{W_f}$ $W_f = W_s + R_f + D_f$ $E_a = 100 \frac{W_f - (R_f + D_f)}{W_f}$ $E_u = 100 \frac{W_u}{W_d}$ $E_s = 100 \frac{W_s}{W_n}$ $E_{cu} = 100 \frac{W_{cu}}{W_d}$ $E_d = 100 \left(1 - \frac{y}{d}\right)$ $E = 0.0018(t + 25)^2(100 - f)$ $E = 0.35(e_s - e_a)(1 + 0.00984 U_2)$ $Q_E = \frac{E \times (b + 2Zd) \times L}{t}$ $\Delta Q = \frac{1}{200} (B + D)^{\frac{2}{3}}$ $\overline{\Delta Q} = 1.9 Q^{\frac{2}{3}}$	$Q = K(B + Ad)$ $2x = B + Ad$ $V = \left[\frac{23 + \frac{0.00155}{S} + \frac{1}{n}}{\left(23 + \frac{0.00155}{S}\right) \frac{n}{\sqrt{R}} + 1} \right] \cdot \sqrt{RS}$ $V = C \sqrt{R_h S}$ $V = \frac{1}{n} R^{\frac{3}{2}} \cdot S^{\frac{1}{2}}$ $V_o = K \cdot d^{0.64}$ $V_o = 0.55 m d^{0.64}$ $m = \frac{V}{V_o}$ $V_o = \frac{1}{n} R^{\frac{3}{4}} S^{\frac{1}{2}}$ $n = 0.0225 f^{1/4}$ $V_o = 0.567 D^{0.57}$ $V_o = 0.274 b^{0.35}$

$D = \left\{ F \left[\frac{-1 + \frac{10.905}{N_R^{0.9} \times \Phi(D)} + 2.5 \ln \Phi(D)}{(\ln \Phi(D))^3} \right] \right\}^{\frac{1}{7}}$ $b = 2d \tan \frac{\theta}{2}$ $\left[\frac{\frac{m \cdot R_1 + p \cdot R_2}{C}}{\frac{C}{Y} + \frac{C}{2} \times \frac{r}{100}} \right] = \text{BCR}$ $\Phi(D) = \frac{\varepsilon}{3.7D} + \frac{5.74}{N_R^{0.9}}$ $H_p = \sum h_L + S_o L$ $H_p = \sum h_L - S_o L$ $h_f = f \frac{L}{D} \cdot \frac{v^2}{2g}$ $f = \frac{1.325}{\left[\ln \left(\frac{\varepsilon}{3.7D} + \frac{5.74}{(N_R)^{0.9}} \right) \right]^2}$	$A = \left\{ 2.457 \ln \left[\frac{1}{\left(\frac{7}{N_R} \right)^{0.9} + 0.27 \left(\frac{\varepsilon}{D} \right)} \right] \right\}^{16}$ $b = 7.8 D^{1+61}$ $B = \left(\frac{37530}{N_R} \right)^{16}$ $F = \frac{10.6 \times C_2 \times \gamma \times Q^3}{-g \cdot C \cdot E \cdot C_1 \cdot \gamma_p \cdot \pi^3}$ $H_p = \sum h_L$ $h_L = h_f + h_s$ $N_R = \frac{vD}{\nu}$ $f = 8 \left[\left(\frac{8}{N_R} \right)^{12} + \frac{1}{(A+B)^{1.5}} \right]^{\frac{1}{12}}$
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