土地改良事業計画設計基準・設計「水路トンネル」(平成 26 年 7 月版)の正誤内容

(令和６年７月分)

ページ・行	誤	正
p. 332 7.3.2　円形断面の構造設計 (2)	③　複鉄筋コンクリートライニングの場合(一般に $A_{S1}=A_{S2}$ とする) $1+\frac{2\cdot C_t}{D_1}=$ ＿ とおけば、 $\sigma_c=P_e\cdot\left[\frac{C_3}{A_3+B_3}+\frac{F_3}{D3+E_3}\right]$ …… (7.3.9) ただし、 $A_3=\left\{\frac{j}{2E_S\cdot\left(\frac{A_{S1}}{D_i}\right)}\cdot\left(\frac{m_1'-1}{m_1'\cdot E_1'}\right)\right\}\left\{\frac{1}{2E_S\cdot\left(\frac{A_{S1}}{D_i}\right)}\cdot\left(\frac{m_1'\cdot E_1'}{m_1'\cdot E_1'}\right)+1\right\}$ $B_3=\frac{1}{j^2}\left\{1-\frac{j}{2E_S\cdot\left(\frac{A_{S2}}{D_i}\right)}\times\left(\frac{m_1'\cdot E_1'}{m_1'+1}\right)\right\}\left\{\frac{1}{2E_S\cdot\left(\frac{A_{S1}}{D_i}\right)}-\frac{m_1'-1}{m_1'\cdot E_1'}\right\}$ $C_3=\frac{j}{2E_S\cdot\left(\frac{A_{S2}}{D_i}\right)}\left\{\frac{1}{2E_S\cdot\left(\frac{A_{S1}}{D_i}\right)}\cdot\left(\frac{m_1'\cdot E_1'}{m_1'+1}\right)+1\right\}$ $D_3=j\left\{\frac{j}{2E_S\cdot\left(\frac{A_{S1}}{D_i}\right)}\cdot\left(\frac{m_1'\cdot E_1'}{m_1'-1}\right)+1\right\}\left\{\frac{1}{2E_S\cdot\left(\frac{A_{S1}}{D_i}\right)}+\frac{m_1'\cdot E_1'}{m_1'+1}\right\}$ $E_3=\left\{\frac{m_1'+1}{j\cdot m_1'\cdot E_1'}-\frac{1}{2E_S\cdot\left(\frac{A_{S2}}{D_i}\right)}\right\}\left\{\frac{1}{2E_S\cdot\left(\frac{A_{S1}}{D_i}\right)}\cdot\left(\frac{m_1'\cdot E_1'}{m_1'-1}\right)-1\right\}$ $F_3=\frac{j^2}{2E_S\cdot\left(\frac{A_{S2}}{D_i}\right)}\left\{\frac{1}{2E_S\cdot\left(\frac{A_{S1}}{D_i}\right)}\cdot\left(\frac{m_1'\cdot E_1'}{m_1'-1}\right)-1\right\}$	③　複鉄筋コンクリートライニングの場合(一般に $A_{S1}=A_{S2}$ とする) $1+\frac{2\cdot C_t}{D_1}=j$ とおけば、 $\sigma_c=P_e\cdot\left[\frac{C_3}{A_3+B_3}+\frac{F_3}{D3+E_3}\right]$ …… (7.3.9) ただし、 $A_3=\left\{\frac{j}{2E_S\cdot\left(\frac{A_{S1}}{D_i}\right)}\cdot\left(\frac{m_1'-1}{m_1'\cdot E_1'}\right)\right\}\left\{\frac{1}{2E_S\cdot\left(\frac{A_{S1}}{D_i}\right)}\cdot\left(\frac{m_1'\cdot E_1'}{m_1'+1}\right)+1\right\}$ $B_3=\frac{1}{j^2}\left\{1-\frac{j}{2E_S\cdot\left(\frac{A_{S2}}{D_i}\right)}\times\left(\frac{m_1'\cdot E_1'}{m_1'+1}\right)\right\}\left\{\frac{1}{2E_S\cdot\left(\frac{A_{S1}}{D_i}\right)}-\frac{m_1'-1}{m_1'\cdot E_1'}\right\}$ $C_3=\frac{j}{2E_S\cdot\left(\frac{A_{S2}}{D_i}\right)}\left\{\frac{1}{2E_S\cdot\left(\frac{A_{S1}}{D_i}\right)}\cdot\left(\frac{m_1'\cdot E_1'}{m_1'+1}\right)+1\right\}$ $D_3=j\left\{\frac{j}{2E_S\cdot\left(\frac{A_{S1}}{D_i}\right)}\cdot\left(\frac{m_1'\cdot E_1'}{m_1'-1}\right)+1\right\}\left\{\frac{1}{2E_S\cdot\left(\frac{A_{S1}}{D_i}\right)}+\frac{m_1'+1}{m_1'\cdot E_1'}\right\}$ $E_3=\left\{\frac{m_1'+1}{j\cdot m_1'\cdot E_1'}-\frac{1}{2E_S\cdot\left(\frac{A_{S2}}{D_i}\right)}\right\}\left\{\frac{1}{2E_S\cdot\left(\frac{A_{S1}}{D_i}\right)}\cdot\left(\frac{m_1'\cdot E_1'}{m_1'-1}\right)-1\right\}$ $F_3=\frac{j^2}{2E_S\cdot\left(\frac{A_{S2}}{D_i}\right)}\left\{\frac{1}{2E_S\cdot\left(\frac{A_{S1}}{D_i}\right)}\cdot\left(\frac{m_1'\cdot E_1'}{m_1'-1}\right)-1\right\}$