$$\alpha(\theta) = 1.05 + 0.95 \cos\left(\frac{\theta}{150^{\circ}} 180^{\circ}\right).$$

$$H_{\rm hs} = \frac{(\omega_0 + \alpha F_s) + (\omega_0 - \alpha F_s)z^{-1}}{(\omega_0 + F_s) + (\omega_0 - F_s)z^{-1}} \ .$$

$$\tau_{\!\! h}(\theta) = \left\{ \begin{array}{ll} -\frac{a}{c}\cos\theta & \text{if } 0 \leq |\theta| < \frac{\pi}{2} \\ \frac{a}{c}\left(|\theta| - \frac{\pi}{2}\right) & \text{if } \frac{\pi}{2} \leq |\theta| < \pi \end{array} \right. .$$



