

$$H_e(p) = zp / (p^2 + 0,2p + 1)$$

$$p = \frac{z}{T} \cdot \frac{(z-1)}{(z+1)}$$

$$\frac{(z+1)^2}{(z+1)^2}$$

$$H_d(z) = \frac{2 \cdot \frac{z}{T} \cdot \frac{(z-1)}{(z+1)}}{(z+1)^2}$$

$$\frac{\frac{4}{T^2} \frac{(z-1)^2}{(z+1)^2} + 0,2 \cdot \frac{z}{T} \frac{(z-1)}{z+1} + 1}{(z+1)^2}$$

$$= \frac{\frac{4}{T^2} (z-1)(z+1) + 0,2 \frac{(z-1)(z+1)}{z} + (z+1)^2}{(z-1)^2 + \frac{0,4}{T} (z-1)(z+1) + (z+1)^2}$$

$$T=1 \quad 4(z^2-1)$$

$$4(z^2-2z+1) + 0,4(z^2-1) + z^2+2z+1$$

$$= \frac{4(z^2-1)}{5,4z^2 - 6z + 4,6}$$

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