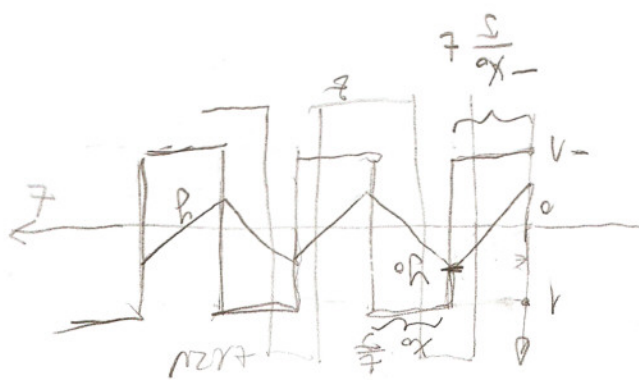




politik ist einseitig und
deshalb in der praxis

$$g_0 = \frac{z}{x} \frac{z}{y} = \frac{z}{x} \frac{1}{z} = \frac{1}{x}$$

$$u = \frac{7}{x} \left(\frac{7}{x} - 7 \right)$$

$$\frac{dy}{dx} + \frac{y}{x} = \frac{2}{x} \Rightarrow t - t = \left(\frac{2}{t} - \frac{y}{t^2} \right) \Delta t = \frac{2}{t} - \frac{y}{t^2} \Delta t$$

Verze ist kleiner als 1, also ist $\Delta t = t_0 - \frac{v^2}{2c^2} t_0 = t_0 (1 - \frac{v^2}{2c^2})$

for design capacity: $y_0 = 12V$

$$v = \frac{x}{t} = \frac{4.12 \text{ V} \cdot 0.5 \text{ ms}}{24 \text{ ms}} = 41 \text{ Hz}$$

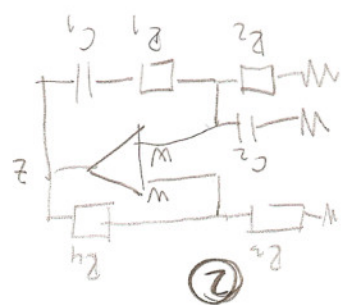
$$Z = \mathbb{Q}_A \otimes \mathbb{Q}_B \oplus \mathbb{C}T^2$$

$$D_B = CTR \oplus A$$

$$D_A = CTR \oplus \underline{O_B}$$

③

7	0	1	1	0	1	0	1
6	0	1	1	0	1	0	1
5	0	1	1	0	1	0	1
4	0	1	1	0	1	0	1
3	0	1	1	0	1	0	1
2	0	1	1	0	1	0	1
1	0	1	1	0	1	0	1
0	0	1	1	0	1	0	1



②

①

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$$R_2 C_1 p^2 - w (R_2 C_1 p + R_1 C_1 p + R_1 C_2 p^2 + R_2 C_2 p^2) = 0$$

$$\left(1 + \frac{R_3}{R_2} \right) \frac{z}{w} = z \Rightarrow z = w \left(1 + \frac{R_3}{R_2} \right)$$

$$z \left(\frac{R_2}{R_2 + R_3} p + \frac{R_1}{R_2 + R_3} \right) = 0$$

$$z_1 + z_2 - \frac{R_3}{R_2} z_1 = 0$$

$$\frac{R_3}{R_2} z_1 = z_1 + z_2 \Rightarrow \frac{R_3}{R_2} = \frac{z_1 + z_2}{z_1} = 1 + \frac{z_2}{z_1}$$

$$\frac{R_3}{R_2} = \frac{z_1 + z_2}{z_1} = 1 + \frac{z_2}{z_1} = 3$$

$$z + \frac{1}{\sqrt{2} \sqrt{2} \sqrt{2}} z = 0$$

$$w_0 = \frac{1}{\sqrt{2} \sqrt{2} \sqrt{2}} = \frac{1}{\sqrt{2}} = \frac{1}{\sqrt{2}} \cdot \frac{1}{\sqrt{2}} = \frac{1}{2} = 1400 \text{ s}^{-1}$$