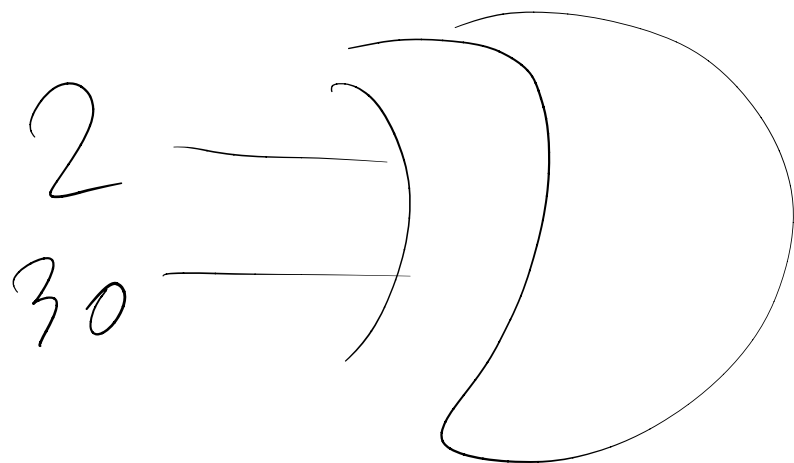


$$f_0[H_2] = 2960$$



en undersøkelse av
Pmod1 og Pmod3

8.4ns ved $n=16$

$$t_{CLK} = \frac{25 \text{ MHz}}{2^{16}} = \frac{25 \cdot 10^6}{2^{16}} = 381,469:$$

\Downarrow

$$T_{CLK} = \frac{1}{t_{CLK}} = 0,00262144$$

Vi har 32 flipper tleser
om vi har antall Flipper (n_{FF})

$$n_{FF} \cdot T_{CLK} = 0,00262144 \cdot 32 \\ \approx 0,08388608 \text{ s} \approx 8,389 \text{ ms}$$

Betyr at målt er vi på $8,4 - 8,389 = 0,011$ tallet

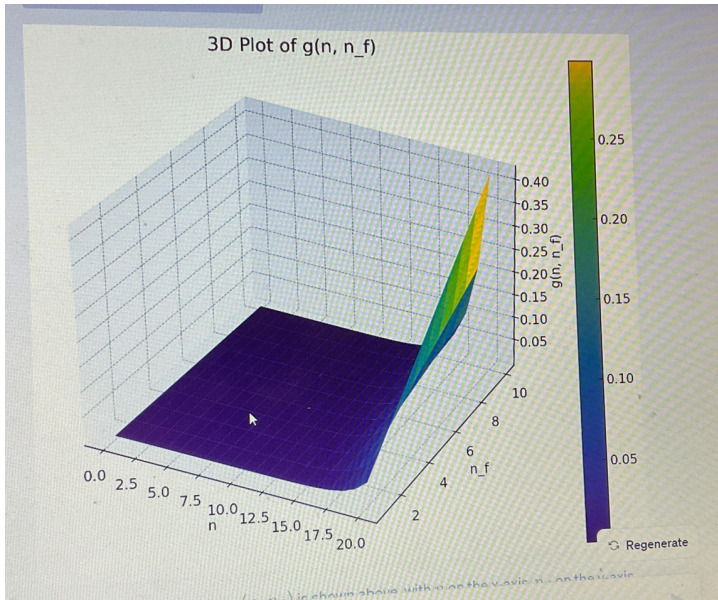
Vi kan finne offseten for klokkelig n ved

$$(T_{CLK})^{-1} = t_{CLK} = \frac{t_{FPGA}}{2^n}$$

$$n_{FF} \cdot T_{CLK} = t_{offset} = n_{FF} \cdot \frac{1}{t_{CLK}} = n_{FF} \cdot \frac{2^n}{t_{FPGA}} = t_{offset}$$

$$n_F \cdot \frac{2^n}{25 \text{ MHz}} = t \quad \begin{matrix} n=16 \\ n_F=32 \end{matrix} \quad t = \frac{32 \cdot 2^{16}}{25 \cdot 10^6} = 0,08388608$$

Plot of $g(n, n_f) = n_f \left(\frac{2^n}{25 \cdot 10^{6/2}} \right)$



$g(n, 32)$

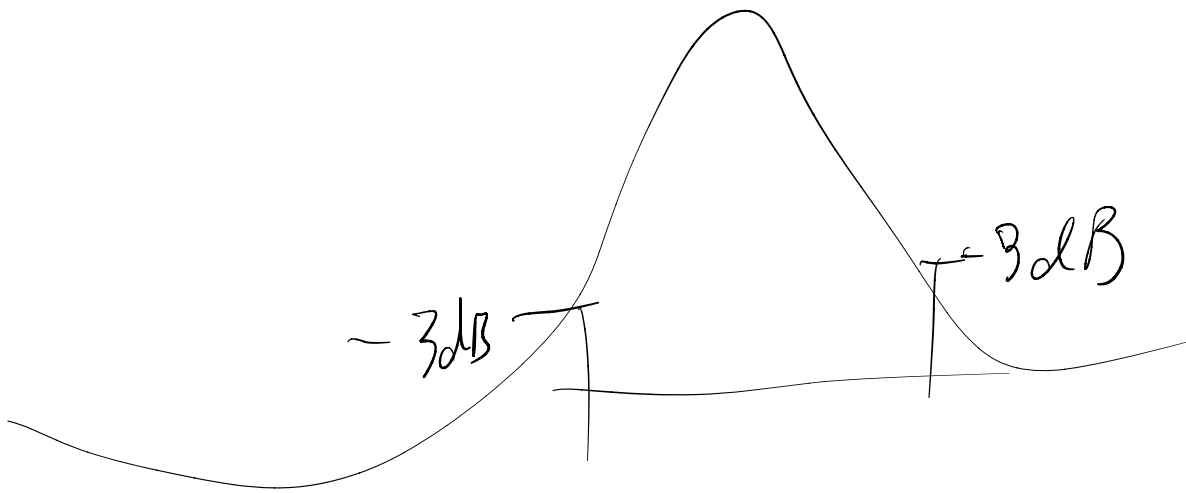
$g(20, n_f)$

$$g(20, 32) \approx 1,34217728$$

$$g(6, 32) \approx 0,68388608$$

$$g(16, 32) \approx 0,00008192$$

Det F wider Signal et Ser Braet i
Skopet.



Ta hell med tabs

Figur
P/fo (klem beskrivelse) $s(t)$ (og $y(t)$)

Påplan fraccis - topologi

prøve ved Høje og lave frekvenser

32-Bits realisering ICE-Studio Screenshot

Spektrum af støj

Dode plot

Fin Bandbredd og sent frekvens

↳ 6,1357 dB

↳ ca 2981 Hz

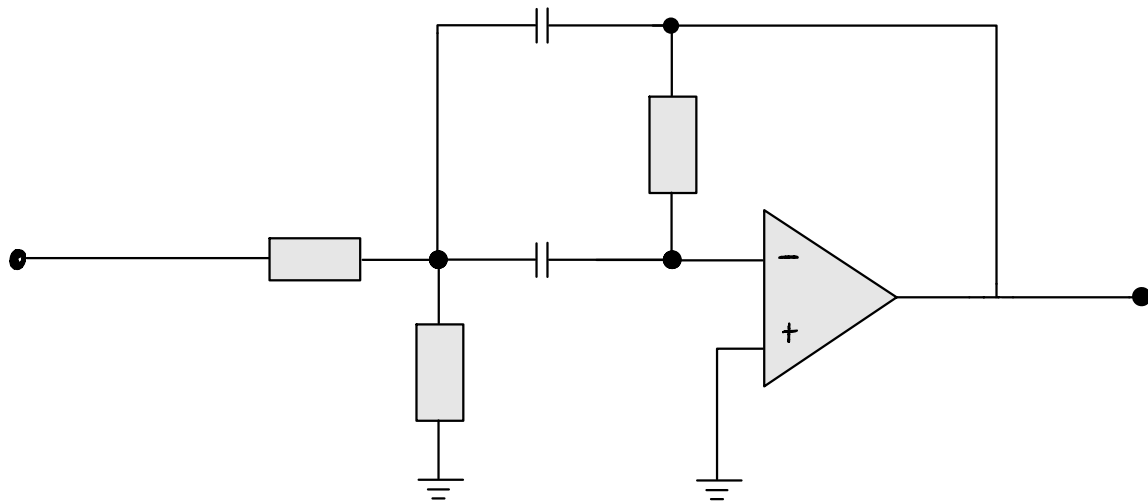
Spektrum af tone

interpolat

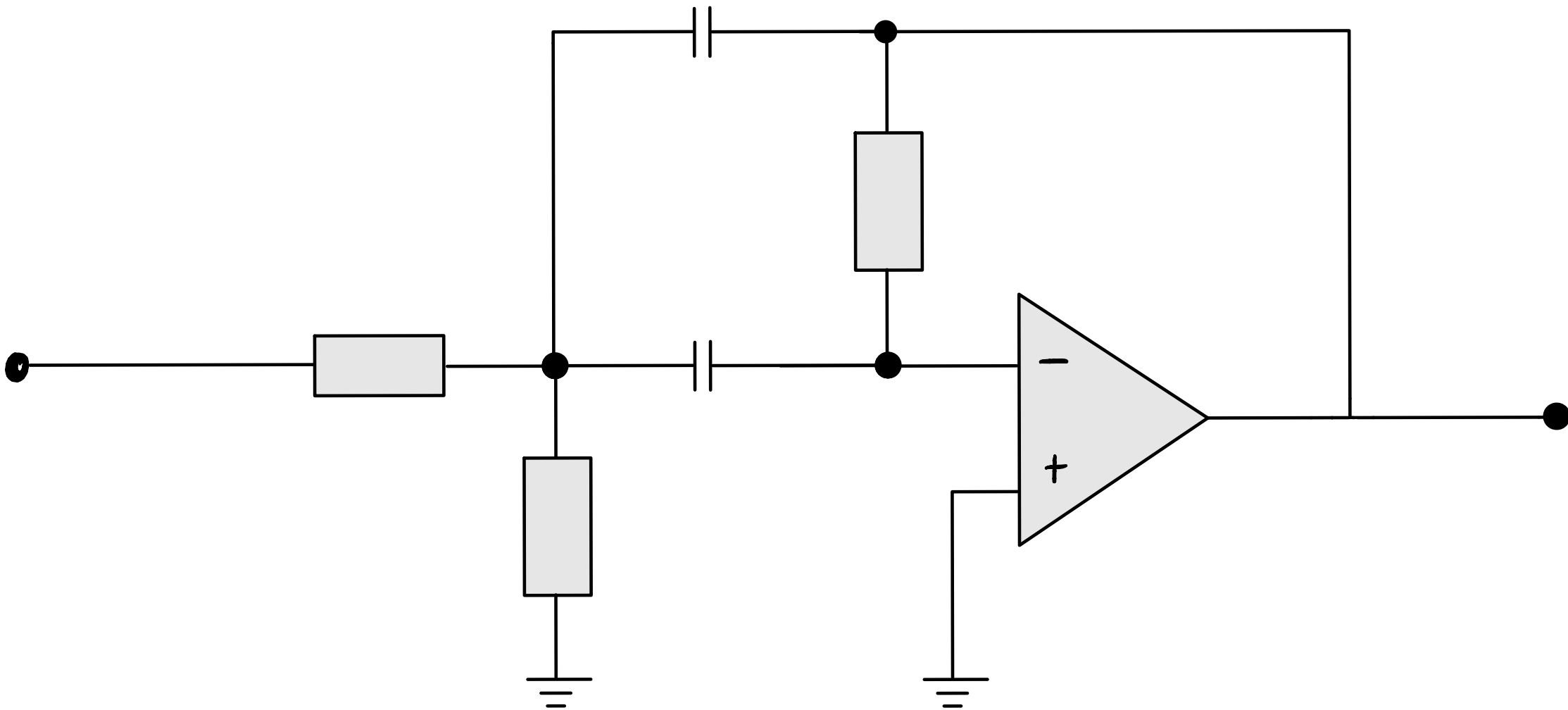
↳ 2918 Hz

3045 Hz

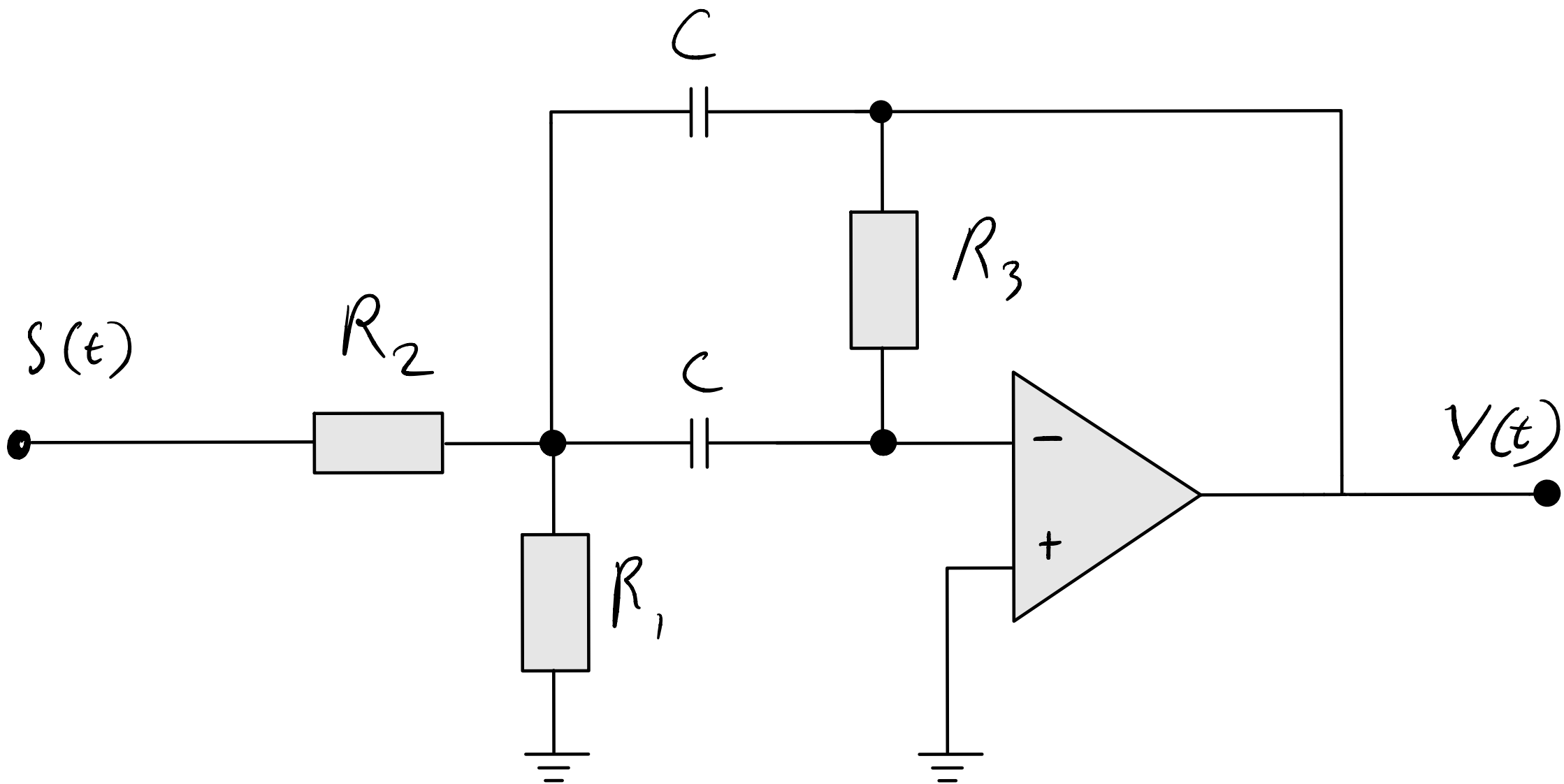
$B \approx 130$



Fullsize no name



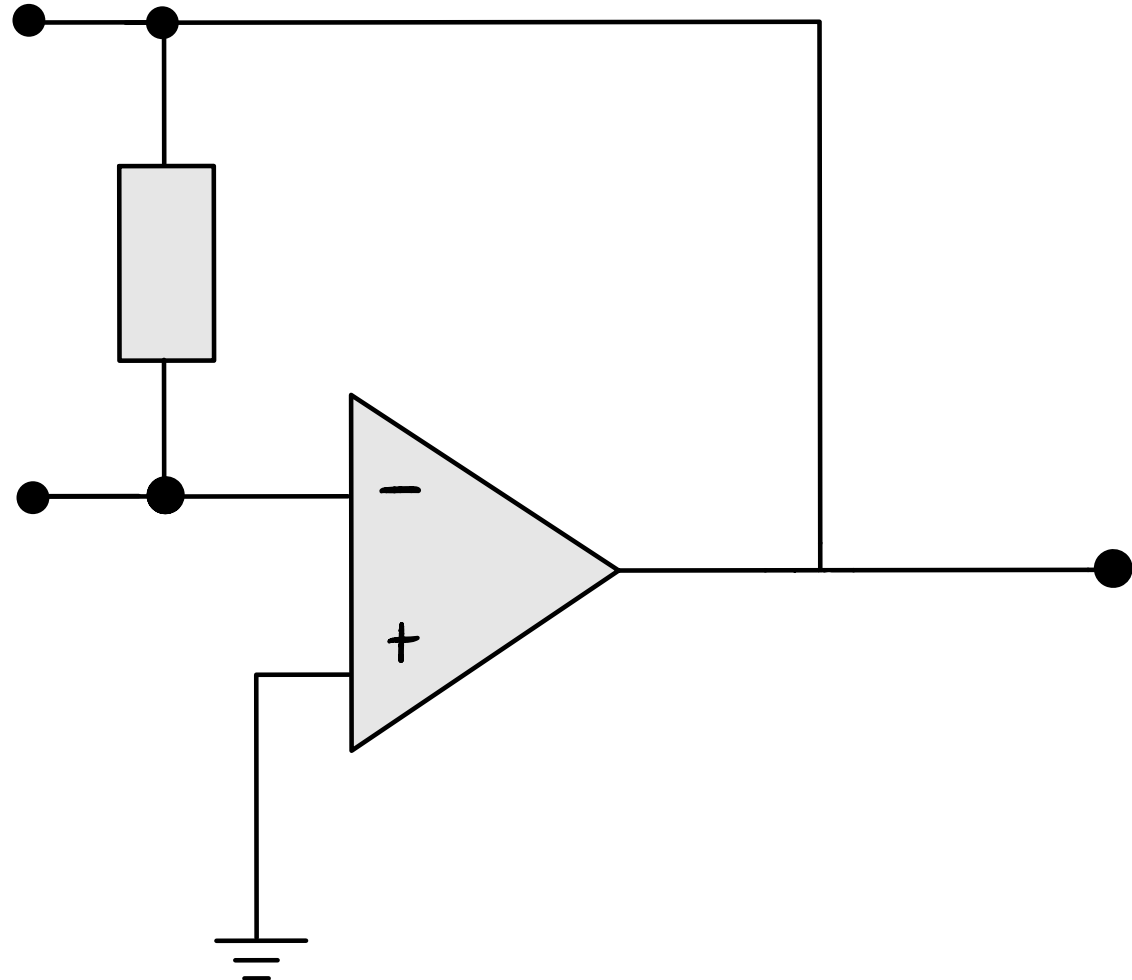
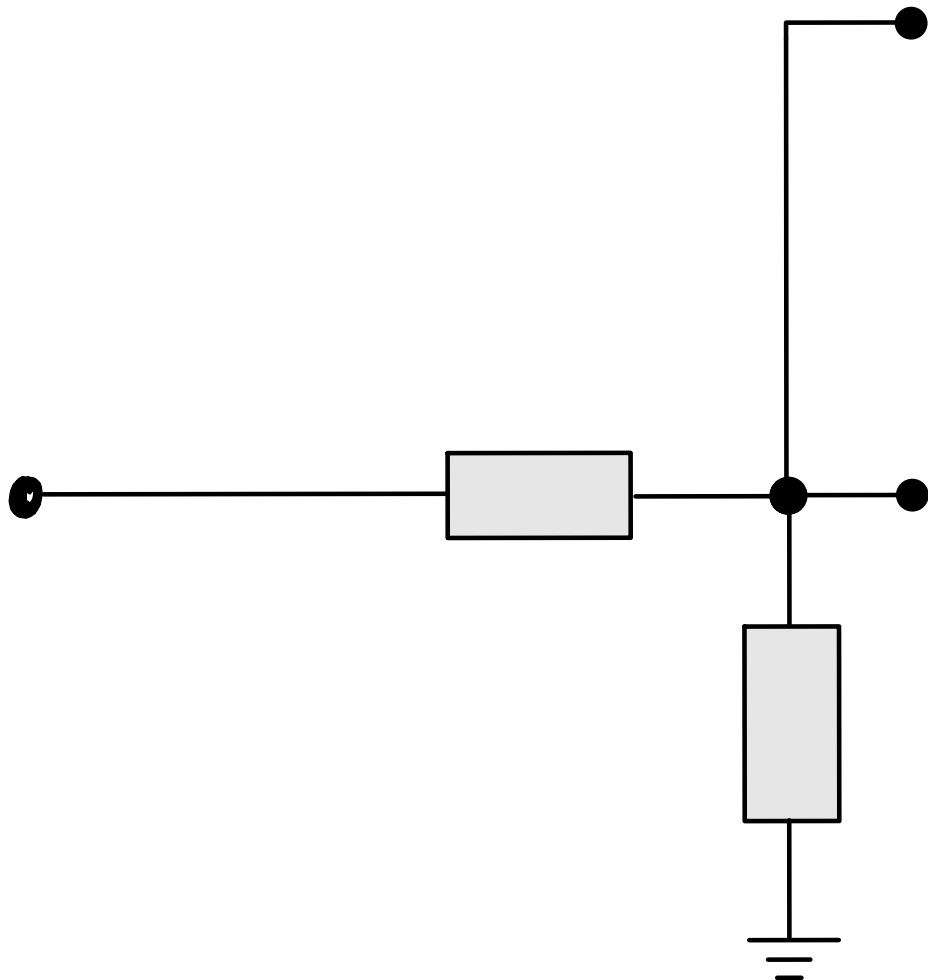
med navn o



Problem Beschreibung

Dow

Low frequency



Høje frekvenser

