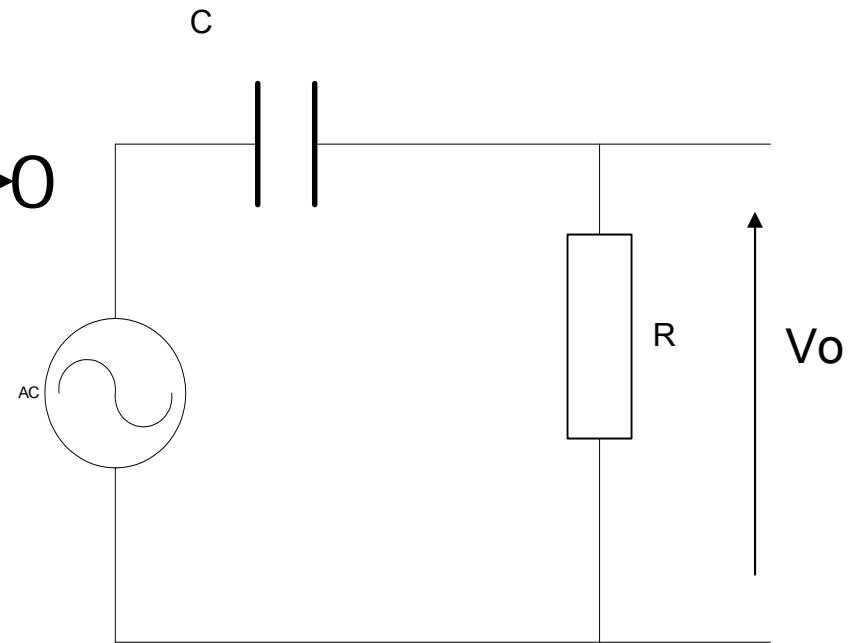
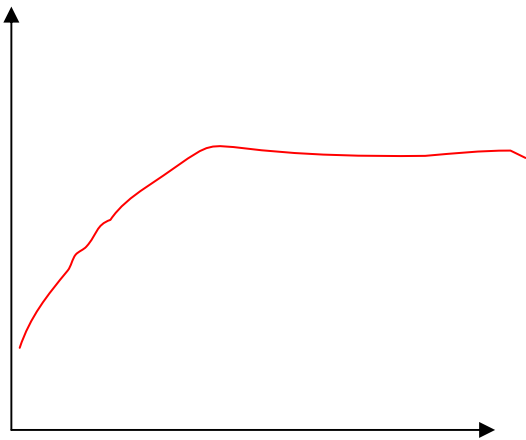


# HP OG LP filtre

- HP = Høj pas
- LP = Lav pas
- BP = Bånd pas

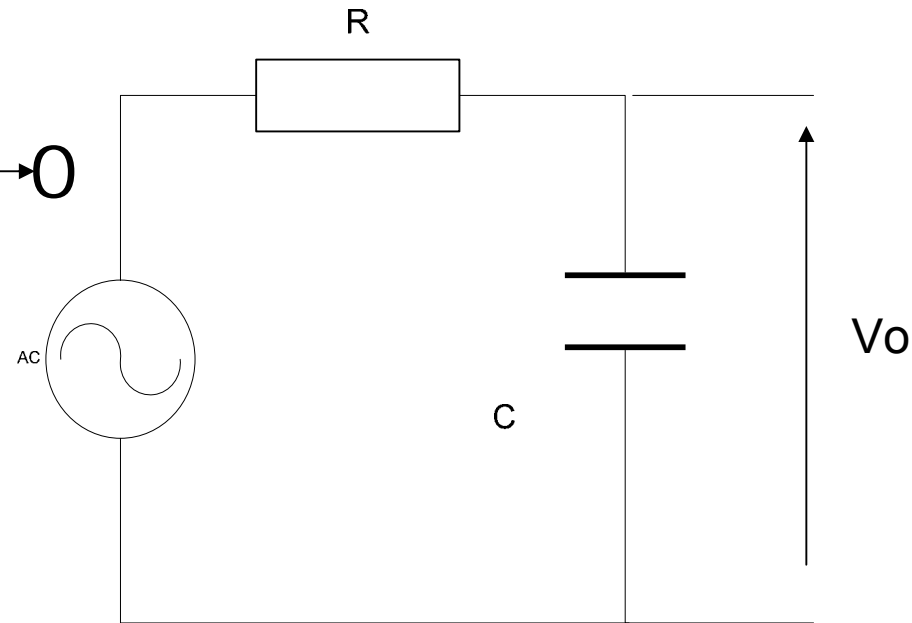


- De høje frekvenser passere!!!
- $X_C = 1/2 * \pi * f * C$
- $F \rightarrow 0 \Rightarrow X_C \rightarrow \infty \Rightarrow V_o \rightarrow 0$



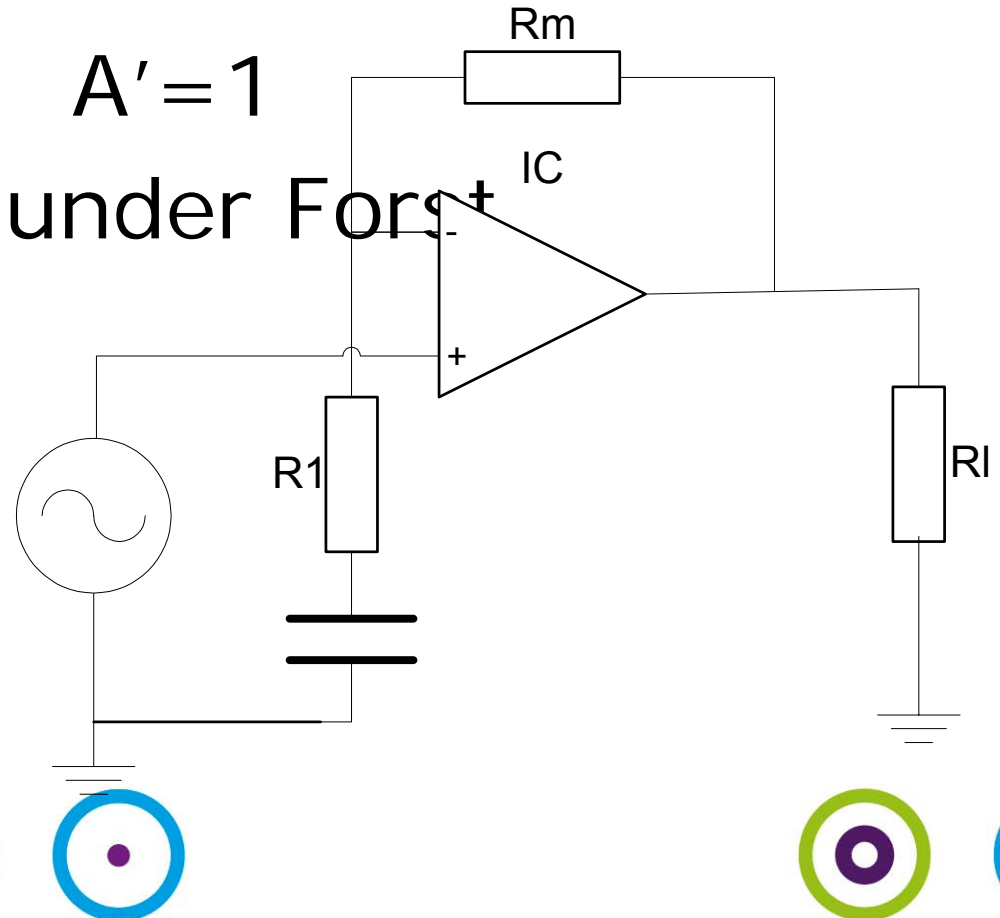
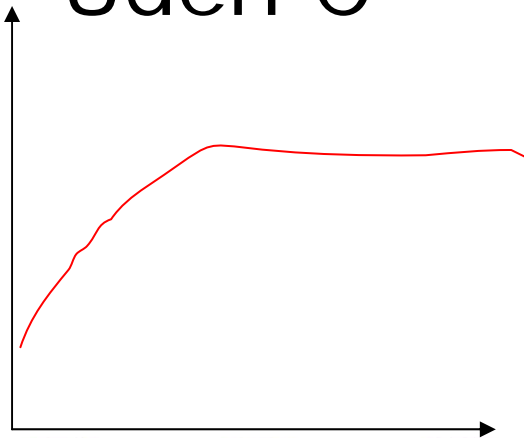
# LP

- De lave frekvenser passere!!
- $X_C = 1/2 * \pi * f * C$
- $F \rightarrow \infty \Rightarrow X_C \rightarrow 0 \Rightarrow V_o \rightarrow 0$



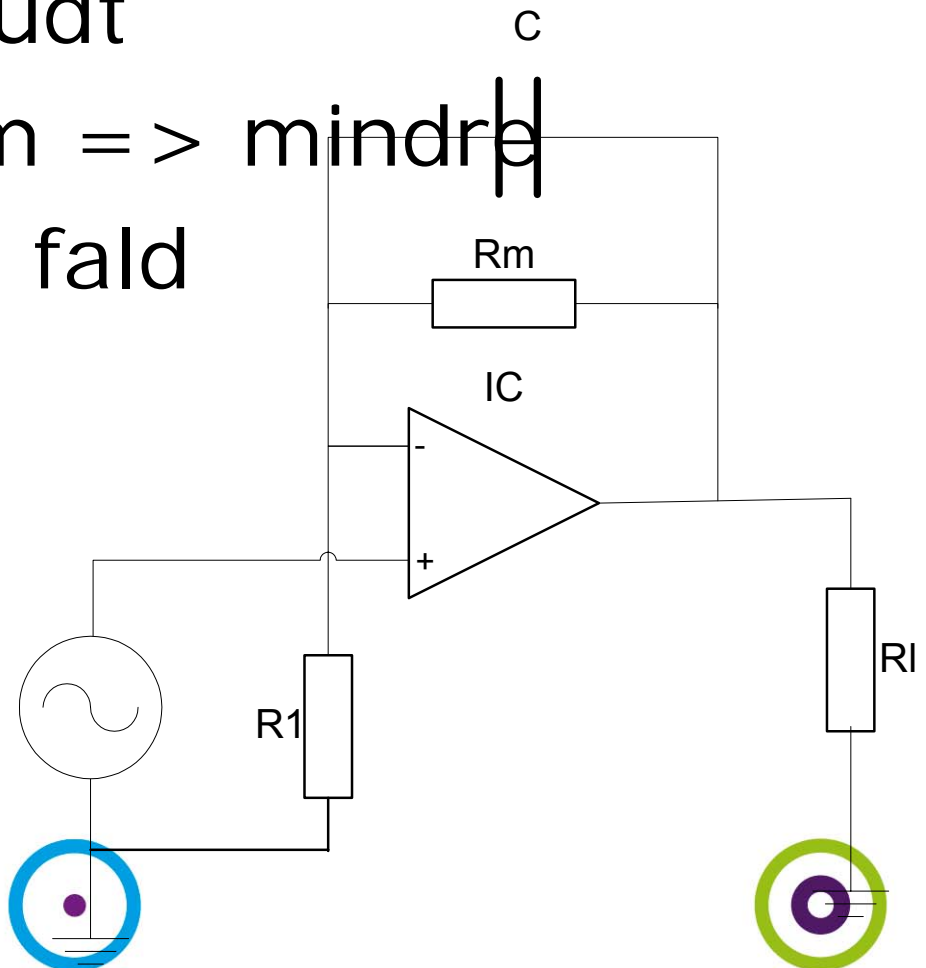
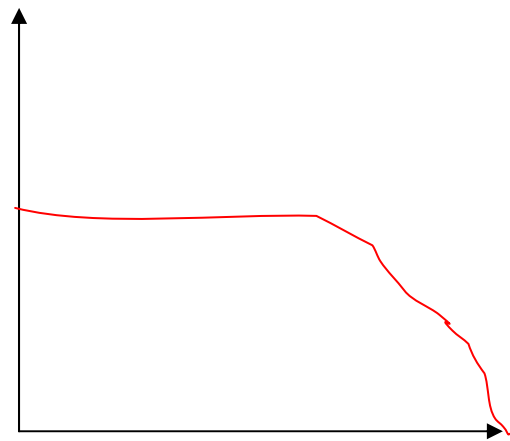
# Bassænkning

- 0 Hz => C afbrudt
- $R1 + C = Rm > A' = 1$
- $R1 = C => 3 \text{ dB under Forst}$
- Uden C



# Diskantsænkning

- 0 Hz =>  $X_c$  afbrudt
- F forøges  $X_c // R_m$  => mindre
- $X_c = R_m$  => 3 dB fald



# BP

HOUSE OF  
TECHNOLOGY



- en del af **mercantec**<sup>+</sup>

- $BP = LP + HP$

