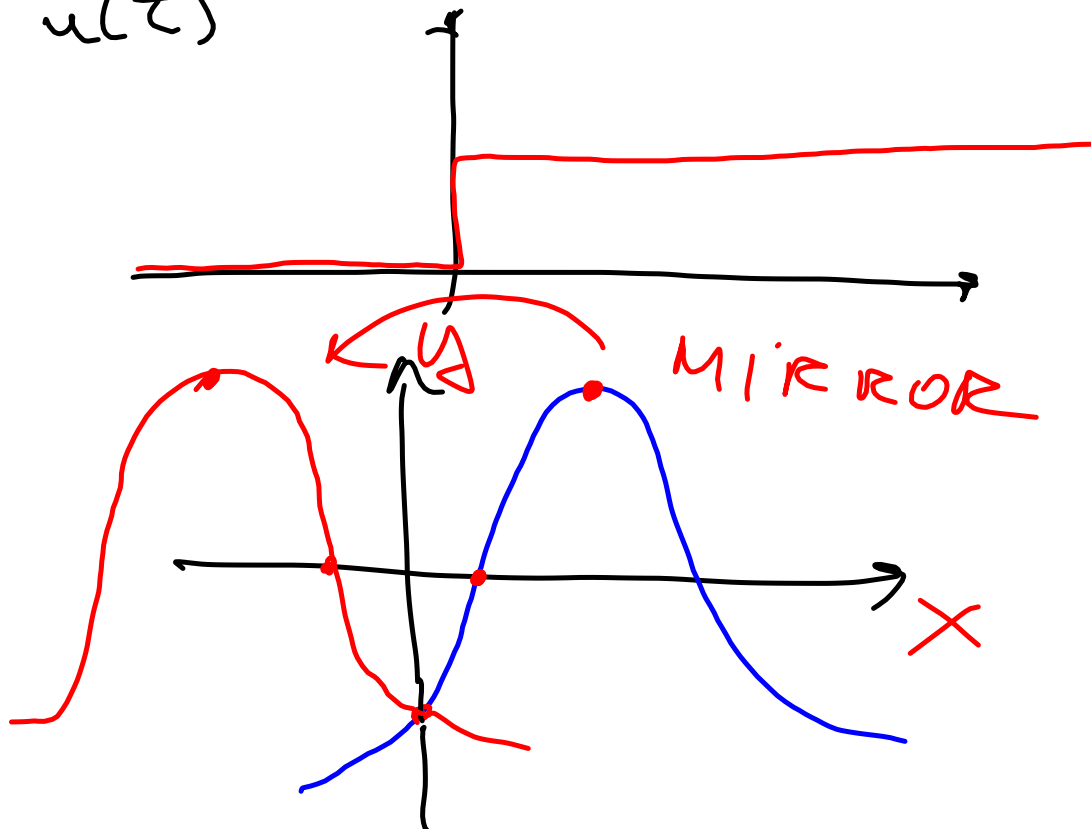
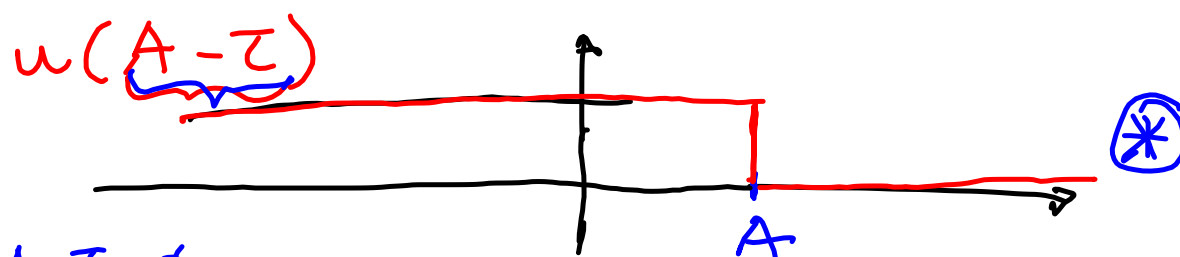
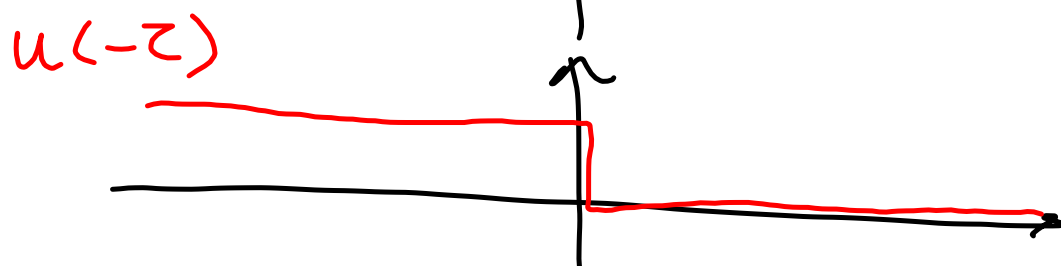
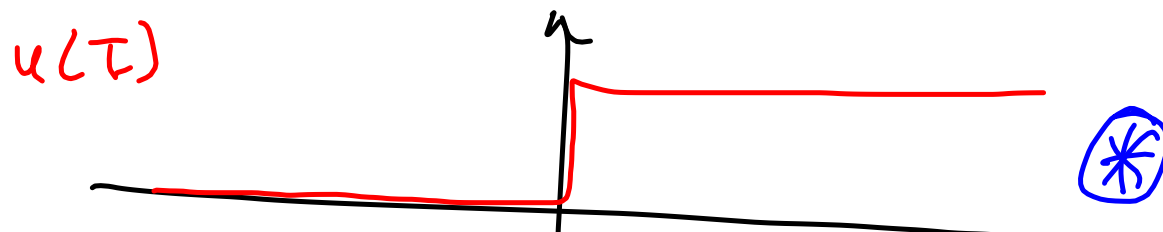


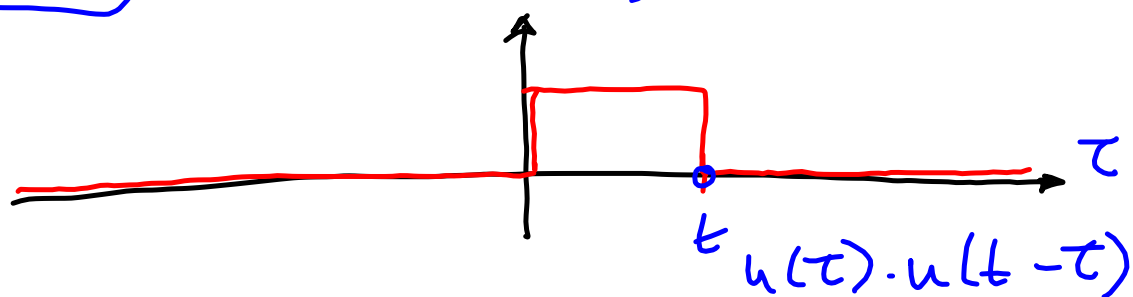
CPE381_6

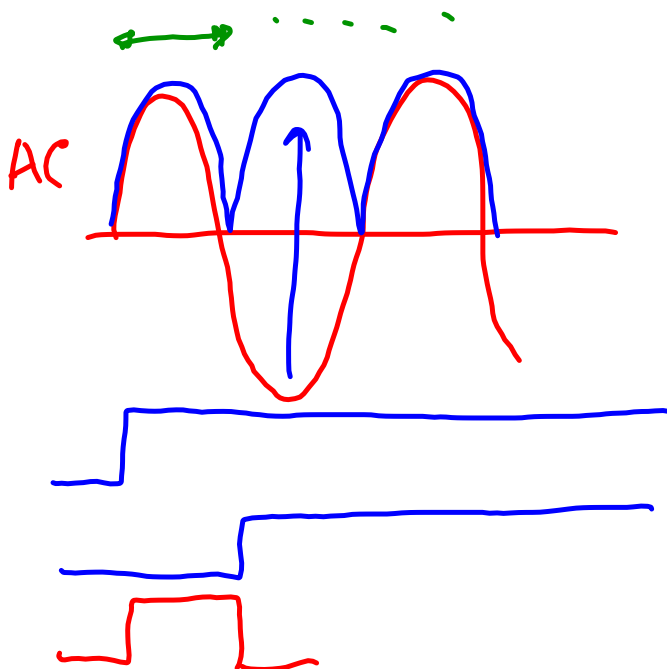
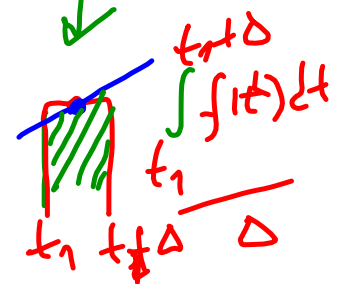
$$f(x) \rightarrow f(-x)$$
$$u(\tau)$$





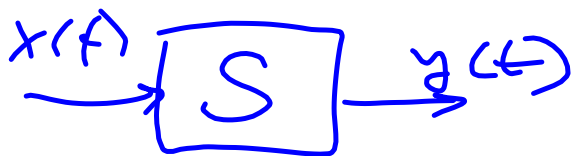
$A - \tau = 0$
 $\boxed{\tau = A}$ $u(\tau) \cdot u(A - \tau)$





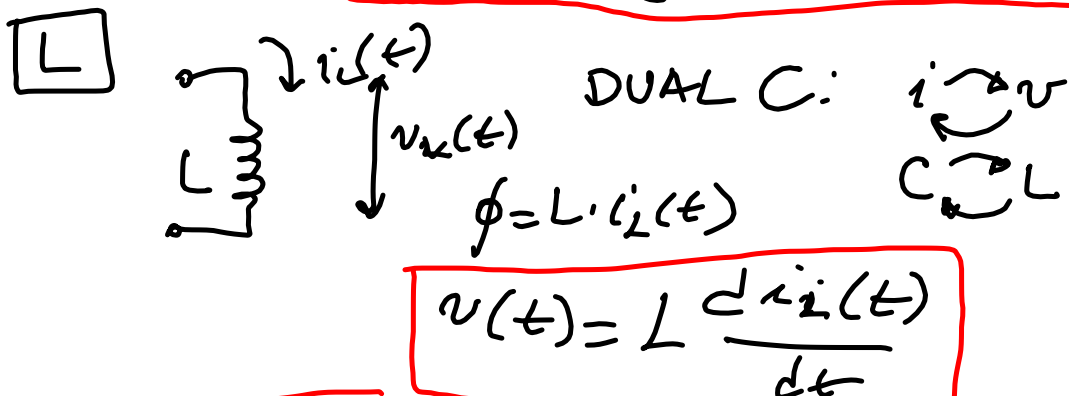
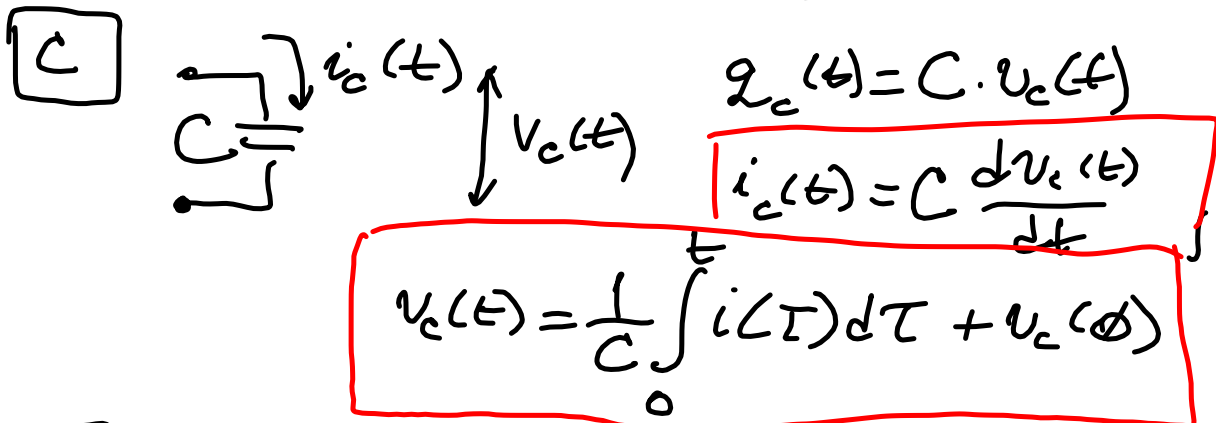
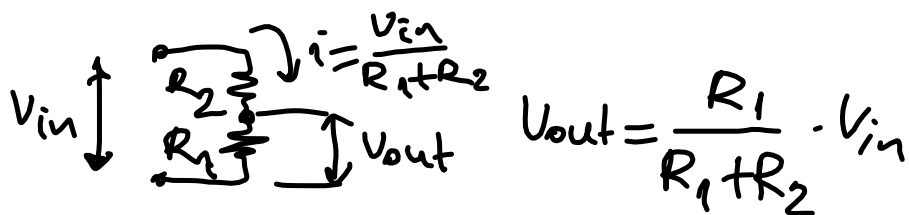
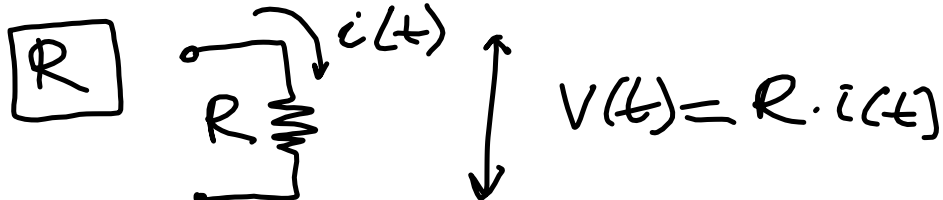
$$\int_{-\infty}^{\infty} f(t) \cdot \delta(t - \tau) dt = f(\tau) \cdot \int_{-\infty}^{\infty} \delta(t - \tau) dt$$

$$= \underline{f(\tau)} \quad \underline{1}$$



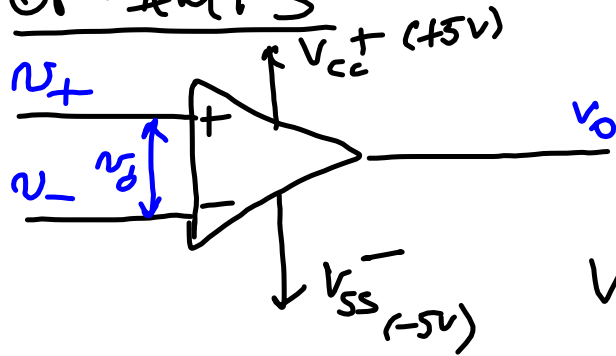
$$y(t) = S[x(t)]$$

$$S[\alpha \cdot x(t)] = \alpha \cdot S[x(t)]$$



$$i_L(t) = \frac{1}{L} \int_0^t v(\tau) d\tau + i_L(\phi)$$

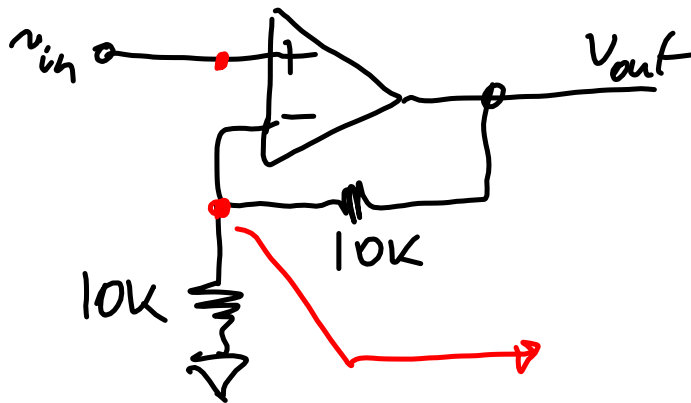
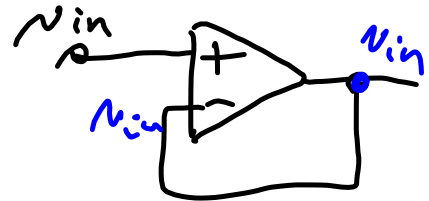
OP-AMPS



$$V_o = A \cdot \underbrace{(V_+ - V_-)}_{v_d}$$

$$A \rightarrow \infty$$

$$v_d = \frac{V_o}{A} \rightarrow 0$$



$$\frac{10k}{10k + 10k} \cdot v_{out} = \frac{v_{out}}{2} = v_{in}$$

$$v_{out} = 2 \cdot v_{in}$$

