

— puls a skok —

$$\sigma[n] = \begin{cases} 1 & \text{for } n \geq 0 \\ 0 & \text{elsewhere} \end{cases}$$

$$\delta[n] = \begin{cases} 1 & \text{for } n = 0 \\ 0 & \text{elsewhere} \end{cases}$$

$$\sigma(t) = \begin{cases} 1 & \text{for } t \geq 0 \\ 0 & \text{elsewhere} \end{cases}$$

$$\sigma_{\Delta}(t) = \begin{cases} 0 & \text{for } t < 0 \\ \frac{1}{\Delta}t & \text{for } 0 \leq t \leq \Delta \\ 1 & \text{for } t > \Delta \end{cases}$$

— analysis recap

$$c = \sum x[n]a[n]$$

$$c = \int x(t)a(t)dt$$

— sinc

$$\text{sinc}(x) = \begin{cases} \frac{\sin(x)}{x} & \text{for } x \neq 0 \\ 1 & \text{for } x = 0 \end{cases}$$

— oprava odvozeni ft

$$\frac{1}{T_1} = \frac{d\omega}{2\pi}$$