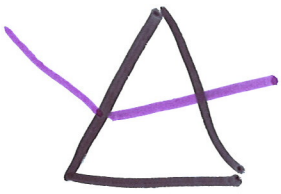
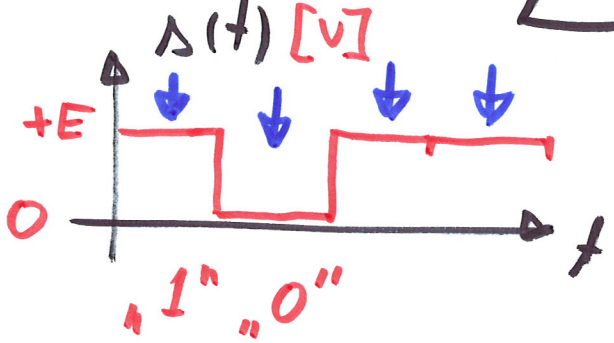
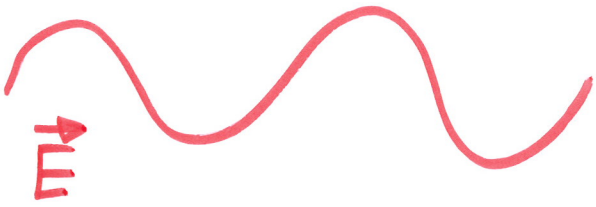
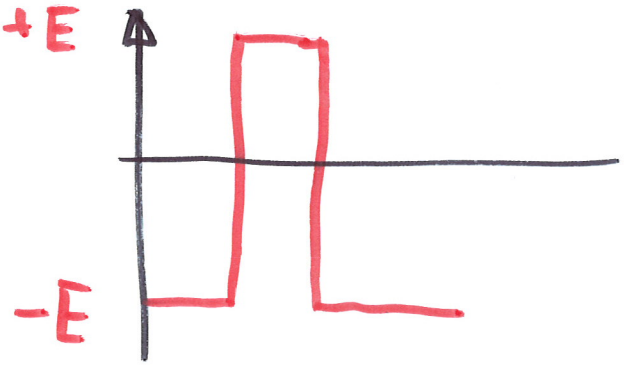


$$n = \frac{\nu}{c}$$



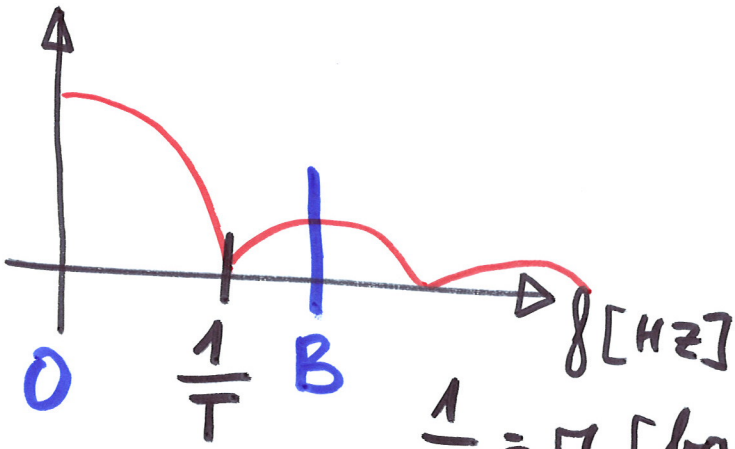




$$U_0 = \frac{1}{2}\cdot E + \frac{1}{2}\cdot 0 = \frac{E}{2}$$

$$U_0 = \frac{1}{2}\cdot E + \frac{1}{2}(-E) = 0$$

$$\frac{\sin(x)}{x}$$



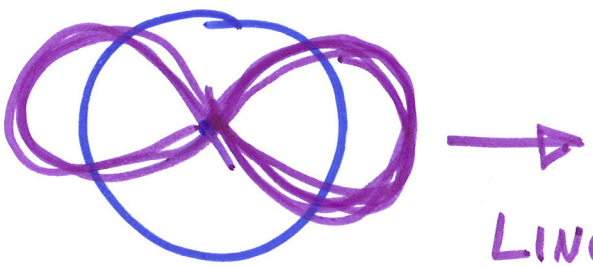
$$\frac{1}{T} = \Pi \text{ [baud]}$$

$$\Pi \left[\frac{W}{m^2}\right]$$

$$A = 4\sqrt{1}\,\Pi^2$$

$$\sim \Pi^{-2} = \frac{1}{\Pi^2}$$

dBi

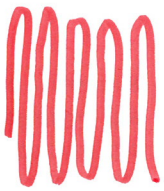


LINGI BILANSS

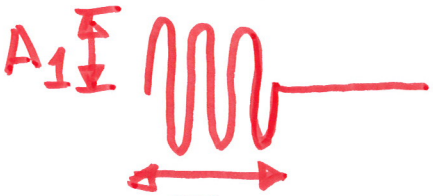
$$P_{Vv} = P_s\,[dBm] + G_s\,[dBi] + G_{Vv}\,[dBi] - FSL\,[dB] - L$$

FDMA WDMA

$s(t) = \underline{A} \cdot \sin(2\pi \underline{f} t + \underline{\varphi})$

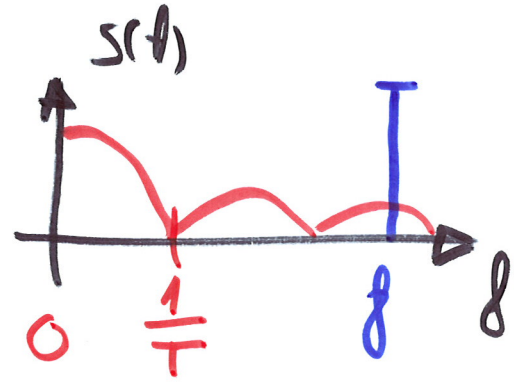


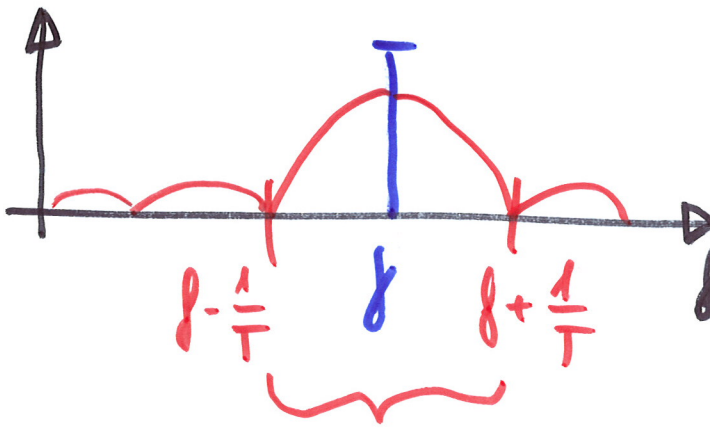
AM $m(t)$



ASK

OOK





$B = \sim 2 \cdot \frac{1}{T} = 2 \cdot \Pi$