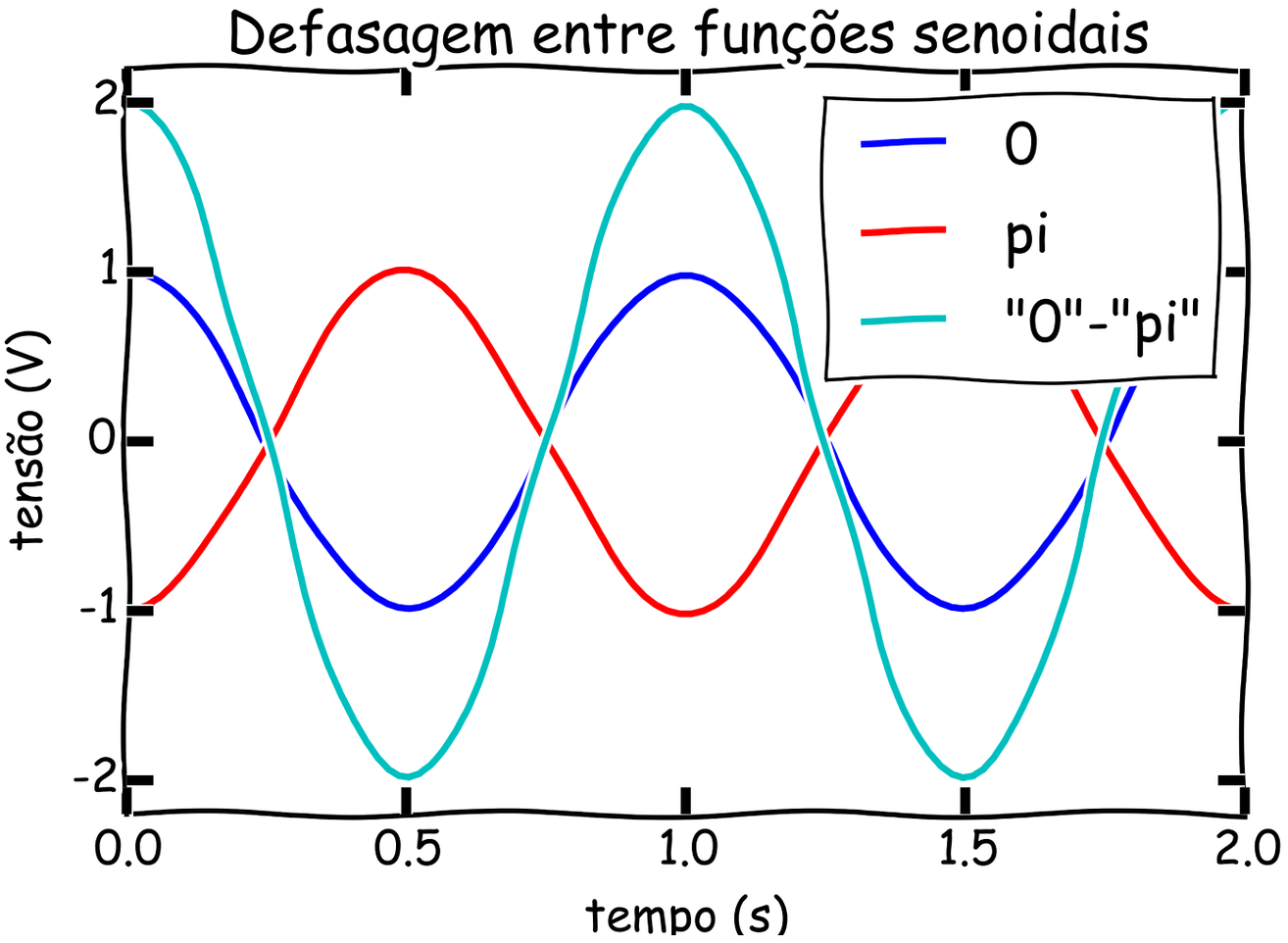
O que é corrente/tensão alternada?



$$\epsilon_1(t) = \epsilon_0 \cos(\omega t)$$

$$\epsilon_2(t) = \epsilon_0 \cos(\omega t - \pi)$$

$$\epsilon_\Delta(t) = \epsilon_2(t) - \epsilon_1(t)$$

$$\begin{cases} \epsilon_0 = 1V \\ \omega = 2\pi f \\ f = 1 \text{ Hz} \end{cases}$$

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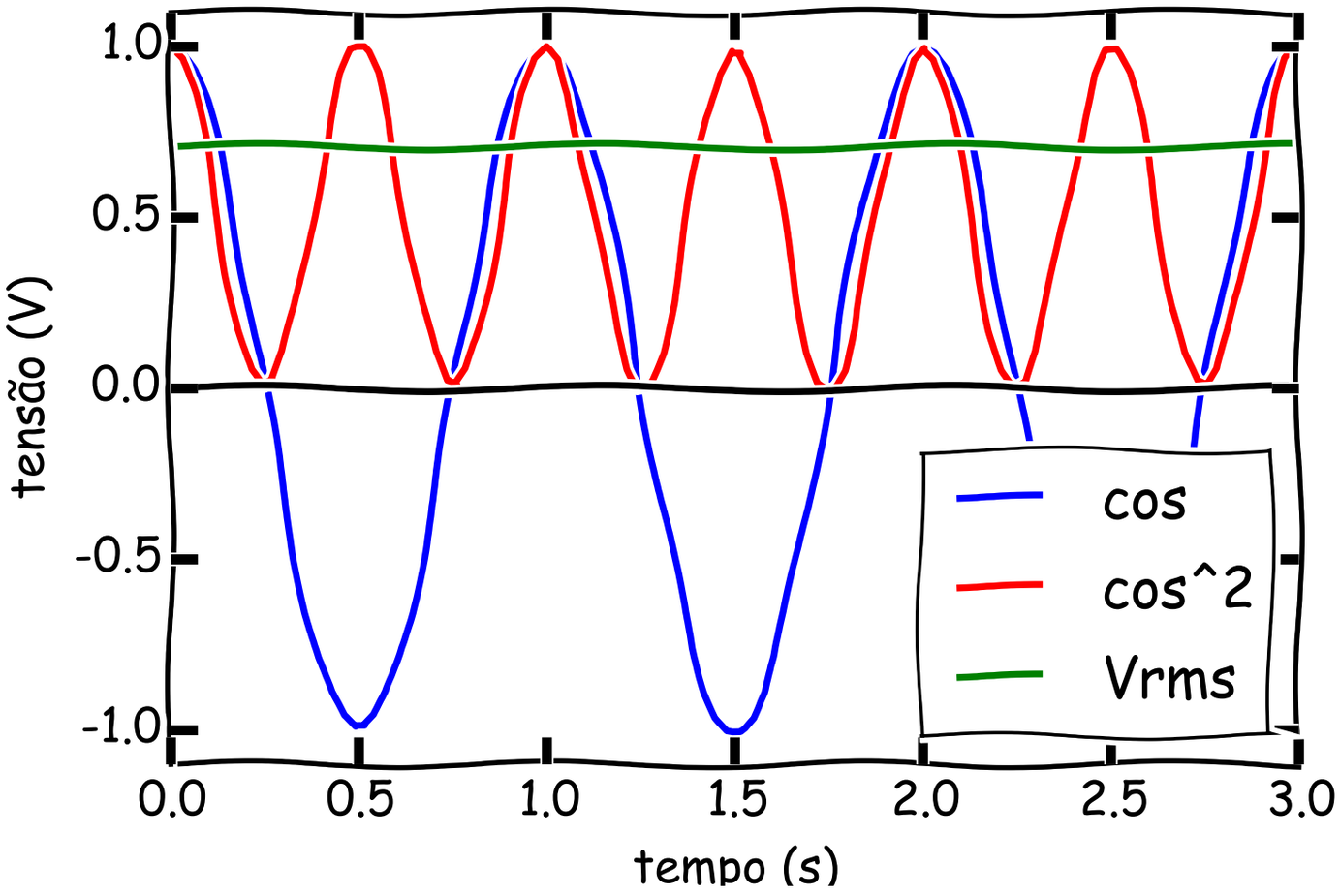
Valor RMS



Valor RMS:

$$\epsilon_{rms} = \sqrt{\frac{1}{T}\int_0^T \epsilon(t)^2\, dt}$$

$$\epsilon_1(t) = \epsilon_0 \cos(\omega t) \qquad \begin{cases} \epsilon_0 = 1V \\ \omega = 2\pi f \\ f = 1 \text{ Hz} \end{cases}$$