

LP 30: Filtrage

EI:

Signal carré:

$$V(t) = \frac{E_0}{2} + \frac{2E_0}{\pi} \left(\sum_{n=0}^{+\infty} \frac{1}{2n+1} \sin((2n+1)\omega_0 t) \right)$$



Signal triangulaire:

$$V(t) = \frac{8E_0}{\pi^2} \left(\sum_{n=0}^{+\infty} \frac{1}{(2n+1)^2} \cos((2n+1)\omega_0 t) \right)$$