

Exercise 0 &

Et =
$$\frac{1}{2}$$
 | R_{k} | R_{k} | R_{k} | $\frac{1}{2}$ | R_{k} | R

 $\begin{array}{l} N(t) = w(t) \; i \; \cos \left(7 \pi \beta_0 t \right) \otimes g_R(t) \\ \tilde{N}_{i}(t) \stackrel{?}{=} \; \tilde{N}_{i}(t) \otimes g_R(t) \\ \tilde{N}_{i}(t) \stackrel{?}{=} \; \tilde{N}_{i}(t) \otimes g_R(t) \\ \tilde{N}_{i}(t) \stackrel{?}{=} \; \tilde{N}_{i}(t) \otimes g_R(t) \\ \tilde{N}_{i}(t) = \left(\frac{1}{2} S w(8) + S w(8) \\ \tilde{N}_{i}(t) = \left(\frac{1}{2} S w(8) + S w(8)$

$$\begin{aligned} & \text{T(t)} = \underbrace{\sum_{i} \text{ai } \text{gr}(t-iT)}_{S_{i}R_{i}} & \text{sen}^{2}\left(\pi\pi f_{0}t+\vartheta\right) + W(t) = \\ & = S_{T}(t) \cdot \text{Re } \underbrace{\sum_{i} \text{sen}\left(\pi\pi f_{0}t+\vartheta\right)}_{S_{i}R_{i}} & \text{Re } \underbrace{\sum_{i} \text{sen}\left(\pi\pi f_{0}t+\vartheta\right)}_{S_{i}R_{i}} & \text{Re } \underbrace{\sum_{i} \text{sen}\left(\pi\pi f_{0}t+\vartheta\right)}_{S_{i}R_{i}} & \text{sen}\left(\pi\pi f_{0}t+\vartheta\right) \underbrace{\left(\pi\pi f_{0}t+\vartheta\right)}_{S_{i}R_{i}} & \text{sen}\left(\vartheta\right) + \pi(t) \underbrace{\left(\pi\pi f_{0}t+\vartheta\right)}_{S_{i}R_{i}} & \text{sen}\left(\pi\pi f_{0}t+\vartheta\right) \underbrace{\left(\pi\pi f_{0}t+\vartheta\right)}_{S_{i}R_{i}} & \text{sen}\left(\vartheta\right) + \pi(t) \underbrace{\left(\pi\pi f_{0}t+\vartheta\right)}_{S_{i}R_{i}} &$$

Sn = 4 Sn = 1/16