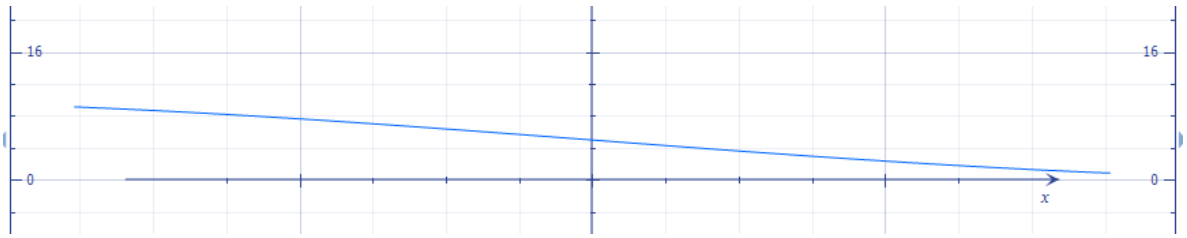
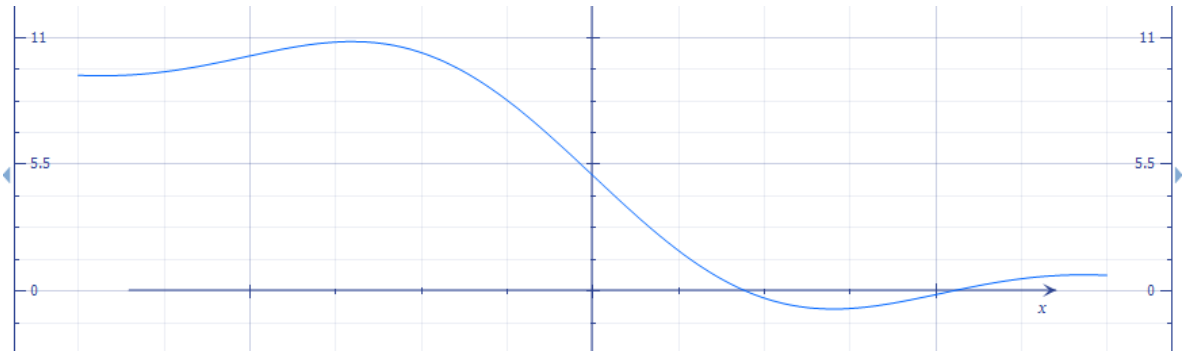
Instituto Politécnico Nacional
Escuela Superior de Computo
Teoría de comunicaciones y señales
3cv8
Arellano Manjarrez Cristopher

Primera parte $f(t) = 5 + \sum_{n=1}^{\infty} \left(\frac{-10}{\pi n} + \sin\frac{n\pi t}{5}\right) \quad 0 < t < 5$

- $\sum_{n=1}^{5} \quad -10 < t < 10$



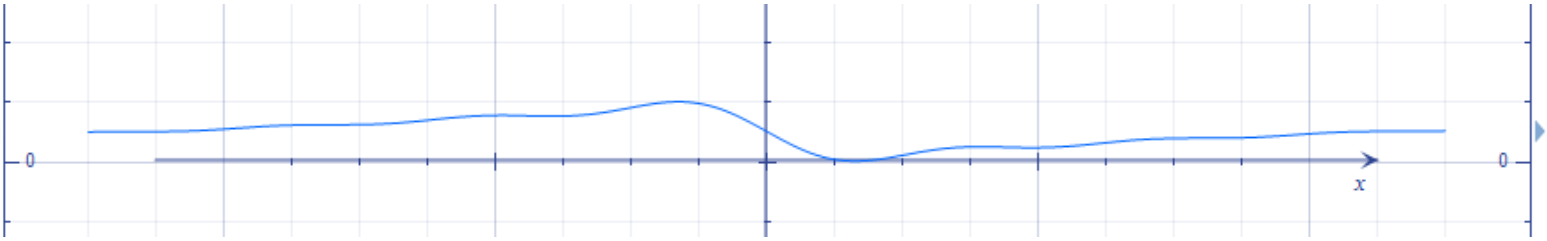
- $\sum_{n=1}^{50} \quad -6 < t < 6$



- $\sum_{n=1}^{1000} \quad 0 < t < 2$
  No gráfica la función

Prof. Arzate Gordillo Jacqueline

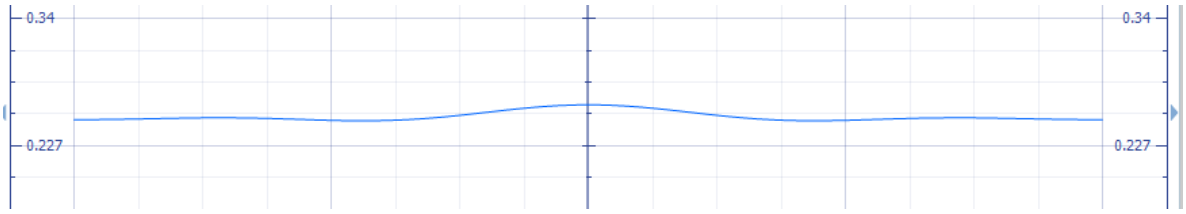
- $\sum_{n=10}^{100} \quad 0 < t < 2$



Segunda parte

$$f(t) = \frac{A}{4} + \sum_{n=1}^{\infty} \left(\frac{4A}{n^2\pi^2} \left[1 - cos\frac{n\pi}{2} \right] * \cos\frac{n\pi t}{2} \right) \quad -2 < t < 2$$

- $\sum_{n=1}^{100} \quad -2 < t < 2$



- $\sum_{n=1}^{100} \quad -10 < t < 10$