$$\times [n] = \frac{2}{3} \frac{\text{Seu}\left(\frac{\pi}{6}n\right)}{\pi n} \cdot \text{Seu}\left(\frac{\pi}{2}n\right)$$

$$E_{x} = \sum_{n=\infty}^{\infty} |x[n]|^{2} = \frac{1}{2\pi} \int_{-\pi}^{\pi} |X(e^{i\omega})|^{2} d\omega$$

$$\times \left[n\right] = \frac{2}{3} \cdot \frac{\operatorname{Jun}\left(\frac{N}{6}n\right)}{\operatorname{tr} n} \cdot \frac{\operatorname{j} \frac{\pi}{2}n}{2 \operatorname{j}} - \frac{\operatorname{j} \frac{\pi}{2}n}{2 \operatorname{j}}$$

Sen
$$\frac{M}{a}$$
n $\frac{1}{\sqrt{2\pi/a}}$

Entonces:

$$X(e^{iw}) = \frac{2}{3} \cdot \frac{1}{2} \left[\prod \left(\frac{w - \frac{\pi}{2}}{2\pi/6} \right) - \prod \left(\frac{w + \frac{\pi}{2}}{2\pi/6} \right) \right]$$

$$t_{x} = \frac{1}{2\pi} \int_{-\pi}^{\pi} \frac{1}{3} \left[\pi \left(\frac{w - \pi/2}{\pi/3} \right) - \pi \left(\frac{w + \pi/2}{\pi/3} \right) \right]^{2} dw =$$

$$= \frac{1}{18 \text{ m}} \int_{1}^{\infty} dw = \frac{1}{18 \text{ m}} \frac{2 \pi}{3} = \frac{1}{27}$$