Ejemplos

1. $\text{Sen}(w(t \pm KT)) = ?$ $w = 2\pi f$ o $\dfrac{2\pi}{T}$

$\text{sen}(wt \pm KwT) = \text{Sen}(\alpha)\cos(B) \pm \text{sen}(B)\cos(\alpha)$

$\text{Sen}(wt)\cos(KwT) \pm \text{sen}(KwT)\cos(wt)$

$\text{Sen}(wt)\cos\left(\dfrac{K \cdot 2\pi \cdot \cancel{T}}{\cancel{T}}\right)^{1} \pm \text{sen}\left(\dfrac{K \cdot 2\pi \cdot \cancel{T}}{\cancel{T}}\right)^{0}\cos(wt)$

$\text{Sen}(wt)\cdot 1 \pm 0 \cdot \cos(wt)^{0}$

$\text{Sen}(w(t \pm KT)) = \text{Sen}(wt)$

2. $\text{Sen}(w(t \pm KT) \pm \frac{\pi}{2}) = ?$

$\text{Sen}((wt \pm KwT) \pm \frac{\pi}{2}) = \text{sen}(\alpha)\cos(B) \pm \text{sen}(B)\cos(\alpha)$

$\text{Sen}(\alpha \pm B) = \text{Sen}(\alpha)\cos(B) \pm \text{Sen}(B)\cos(\alpha)$

$\text{Sen}(wt)\cos(KwT)\cos(\frac{\pi}{2}) \pm \text{sen}(\frac{\pi}{2})\cos(wt)\cos(KwT)$

$\text{Sen}(wt)\cos\left(\dfrac{K 2\pi \cancel{T}}{\cancel{T}}\right)^{1}\cos(\frac{\pi}{2})^{0} \pm \text{sen}(\frac{\pi}{2})^{1}\cos(wt)\cos\left(\dfrac{K 2\pi \cancel{T}}{T}\right)^{1}$

$\text{Sen}(wt)\cdot 1 \cdot 0 \pm 1 \cdot \cos(wt) \cdot 1$

$\text{Sen}(w(t \pm KT) \pm \frac{\pi}{2}) = \cos(wt)$