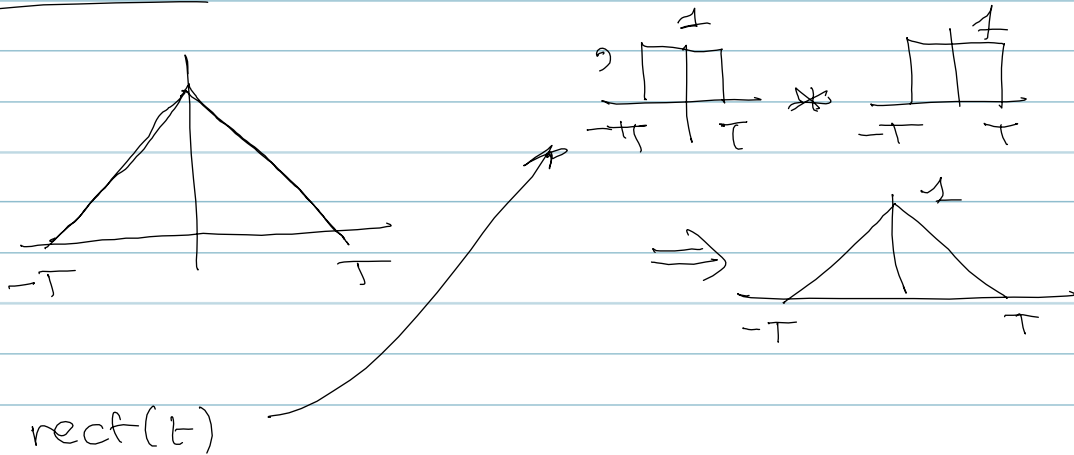


EG-247



$$\text{tri}(t) = \text{rect}(t) * \text{rect}(t)$$

$$\begin{aligned} F\{\text{tri}(t)\} &= F(\omega) * F(\omega) = F\{\text{rect}(t)\}^2 \\ &= \left(2T \left[\frac{\sin \omega T}{\omega T} \right] \right)^2 \end{aligned}$$

$$F(\omega) \Rightarrow \frac{4T^2 \sin^2 \omega T}{\omega^2 T^2}$$

$$\text{tri}(t) \Leftrightarrow \frac{4T^2 \left(\frac{\sin \omega T}{\omega T} \right)^2}{\omega^2 T^2}$$