

Ejemplo de aplicación

TRANSFORMADA DE LAPLACE

$$\begin{cases} y(t_f) = 225 \\ y'(t_f) = 0 \\ y''(t_f) = 0 \end{cases} \quad \text{TORRE MAYOR}$$

$$\frac{d^3 y(t)}{dt^3} = G(t)$$

$$t_f = ?$$

$$\begin{cases} y(0) = 0 \\ y'(0) = 0 \\ y''(0) = 0 \end{cases}$$

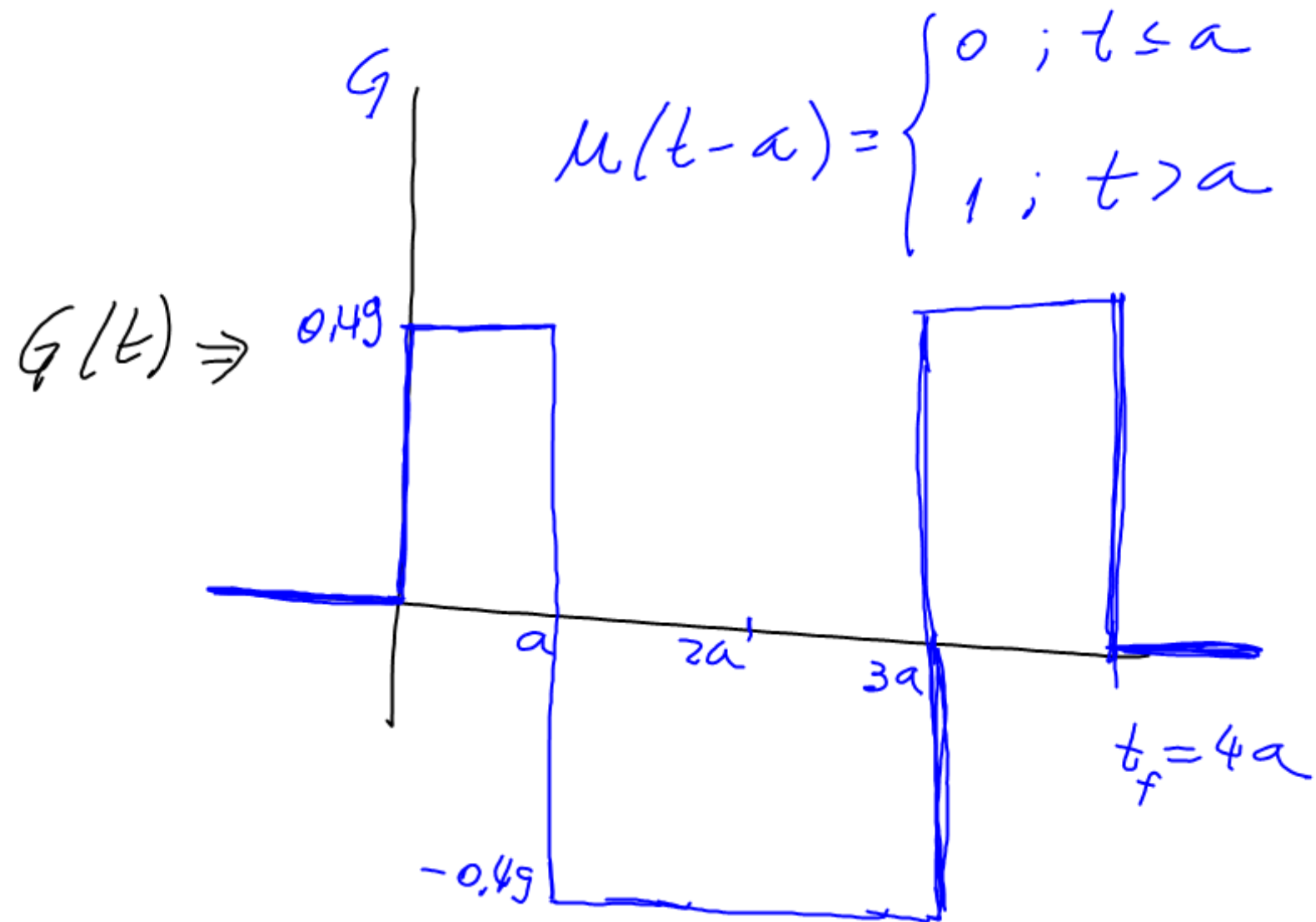
"sacudida"

$$\left| \frac{da}{dt} \right| \quad a = \frac{d^2}{dt^2}$$

$$\left| \frac{da}{dt} \right| \leq 1.6 \left(\frac{\text{ft}}{\text{s}^2} \right)$$

$$1 \text{ ft} = 0.304 \text{ m} \quad 0.4864 \div 0.49 \left(\frac{\text{m}}{\text{s}^2} \right)$$

x Reforma



Sem 20131

clave

1306

Ecuaciones DIF's

gpo

06

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