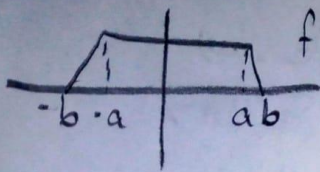


A dark blue vertical bar runs along the left edge of the page. A blue arrow-shaped graphic points to the right, containing the date. In the bottom left corner, there are several thin, curved lines in dark blue and light gray.

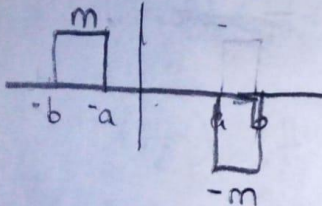
23-4-2021

Evidencia 1.11

Martínez Coronel Brayan Yosafat



$$\frac{d^2 f(t)}{dt^2} = m\delta(t+b) - m\delta(t+a) - m\delta(t-a) + m\delta(t-b)$$



$$\left(\frac{d^2 f(t)}{dt^2} \right) \leftrightarrow (\omega)^2 F(\omega)$$

$$\mathcal{F}\left\{ \frac{d^2 f(t)}{dt^2} \right\} = m \left[e^{bi\omega} - e^{ai\omega} - e^{-ai\omega} + e^{-bi\omega} \right]$$

$$m = \frac{A-0}{-a+b} = \frac{A}{b-a}$$

$$-m = \frac{0-A}{b-a} = -\frac{A}{b-a} \quad \checkmark$$

$$F(\omega) \leftrightarrow \frac{m e^{i\omega}}{(\omega)^2} \left[e^b + e^{-b} - (e^a + e^{-a}) \right]$$