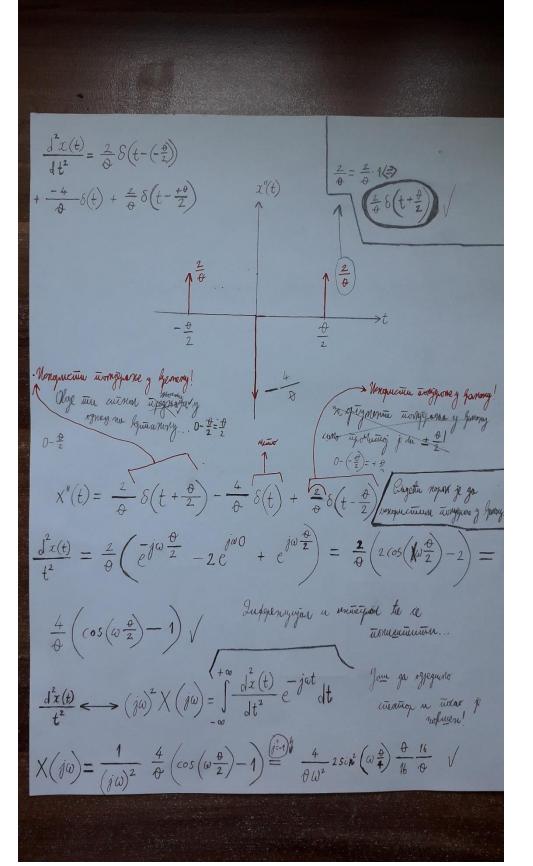
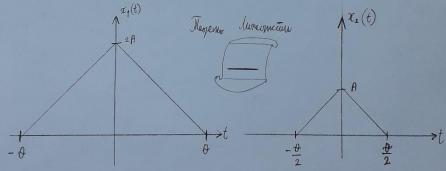


Cuereta nopor je noho gutepenyupo ne.





Regens surregnation + parlona gla 1.º Nortun (Octubro me ne romenojy...); otephoguero utrola.



$$X(j\omega) = X_1(j\omega) - X_2(j\omega) = 2 \theta \left(\frac{\sin(\omega \frac{\theta}{2})}{\omega \frac{\theta}{2}} \right)^2 - \frac{\theta \theta}{2} \left(\frac{\sin(\omega \frac{\theta}{4})}{\omega \frac{\theta}{4}} \right)^2$$

$$x(t) = \frac{1}{2\pi} \int_{-\infty}^{+\infty} X(j\omega) e^{j\omega t} d\omega$$

$$X(j\omega) = \int_{-\infty}^{+\infty} x(t)e^{-j\omega t} dt$$

Ozogumu Fourier-dy mpondogmanyje De Topologioonoù umiyea.

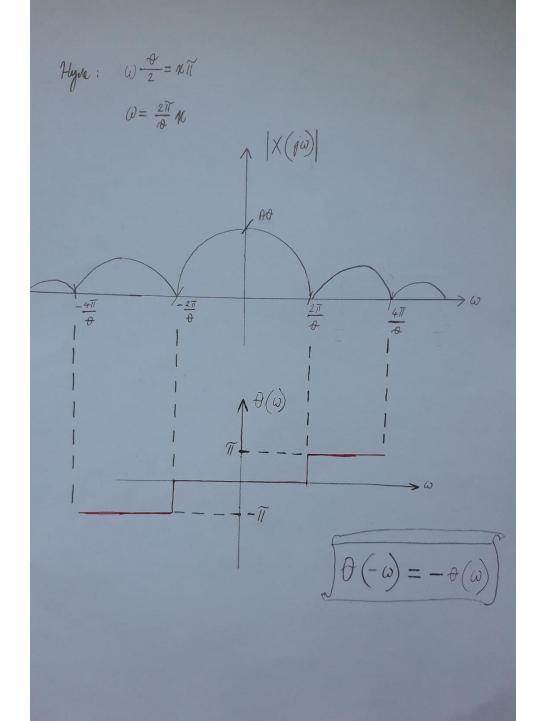
$$\begin{array}{c|c}
\uparrow^{\chi(t)} \\
\hline
-\frac{\theta}{2} & \frac{\theta}{2}
\end{array}$$

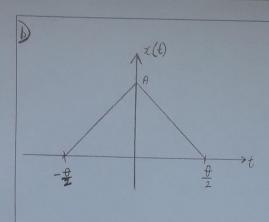
$$X(j\omega) = \int_{-\infty}^{+\infty} x(t)e^{-j\omega t} dt = \int_{-\infty}^{+\infty} A e^{-j\omega t} dt = A \int_{-\infty}^{+\infty} e^{-j\omega t} dt = \int_{-\infty}^{+\infty} dt = \int_{-\infty}^{-j\omega t} dt = \int_{-\infty}^{-j$$

$$= \frac{-A}{j\omega} \int_{-\infty}^{+\infty} e^{y} dy = \frac{-A}{j\omega} e^{j\omega t} \Big|_{-\theta/2}^{\theta/2} = \frac{+A}{j\omega} \left(e^{j\omega \frac{\theta}{2}} - e^{j\omega \frac{\theta}{2}} \right) =$$

$$\frac{\theta}{j\omega}\left(\cos\left(\omega\frac{\theta}{2}\right)+j\sin\left(\omega\frac{\theta}{2}\right)\right.\\ \left.-\left(\cos\left(\omega\frac{\theta}{2}\right)-j\sin\left(\omega\frac{\theta}{2}\right)\right)\right]=$$

$$\frac{A}{2\omega} = \frac{1}{2\omega} = \frac{1}{2\omega}$$

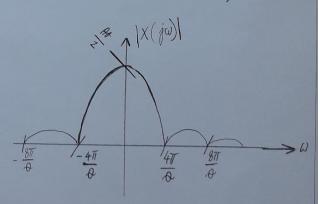


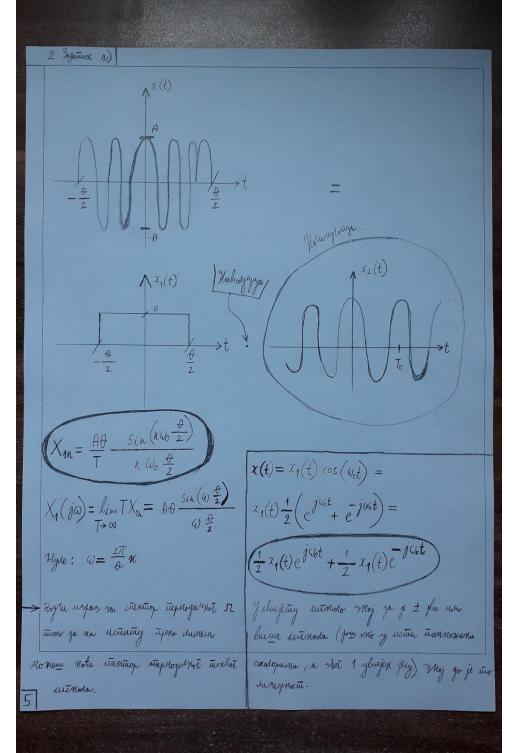


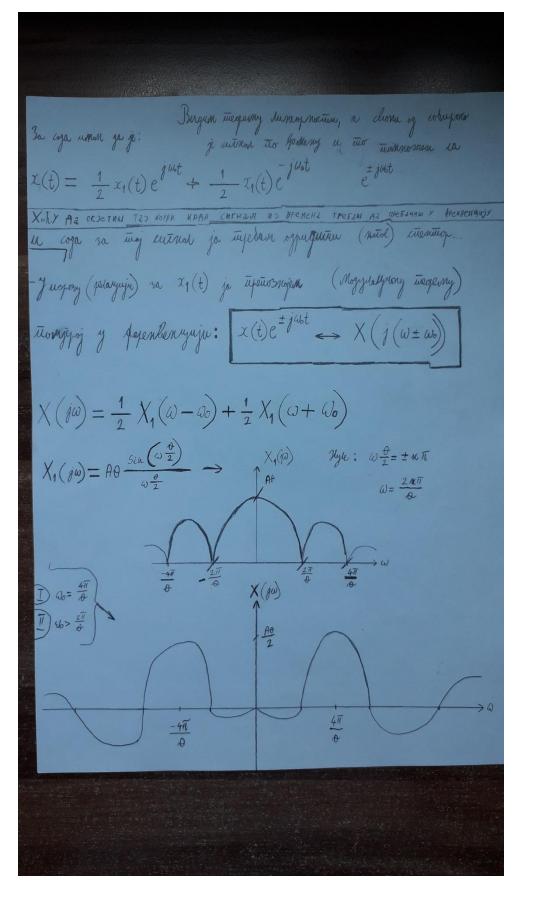
$$\overline{n} = \frac{A \theta}{2 T} \left(\frac{\sin \left(h \ln \frac{\theta}{4} \right)^{2}}{n \omega_{\delta} \frac{\theta}{4}} \right)^{2}$$

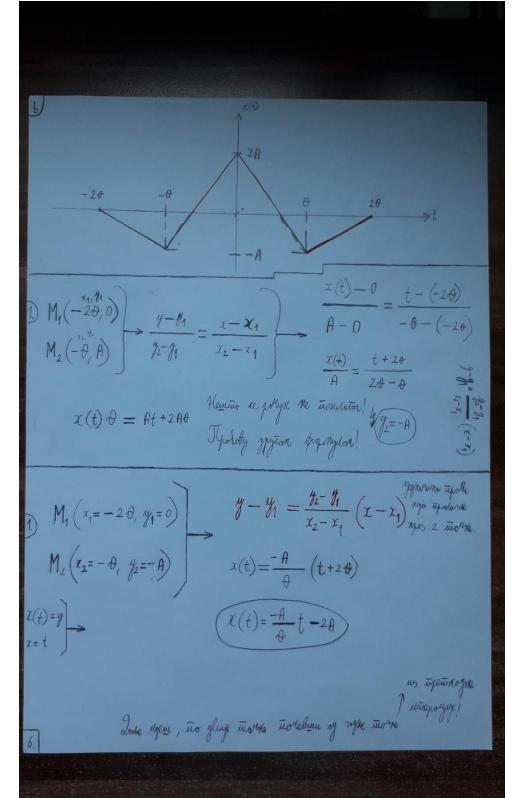
$$\frac{\left[\int_{n}^{\infty} \frac{\partial \theta}{\partial t} \right]^{2}}{\int_{n}^{\infty} \frac{\partial \theta}{\partial t}} \times \left[\int_{n}^{\infty} \frac{\partial \theta}{\partial t} \right]^{2} \times \left[\int_{n}^{\infty$$

$$\omega \frac{\Phi}{4} = n \tilde{n}$$

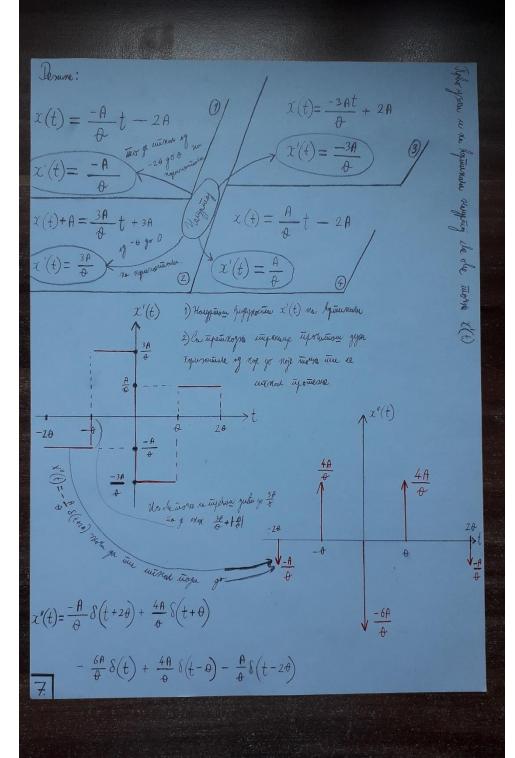








2)
$$M_{1}(x_{1}=-\theta, y_{1}=-A)$$
 $M_{2}(x_{2}=0, y_{2}=2A)$
 $M_{1}(x_{1}=-\theta, y_{1}=-A)$
 $M_{2}(x_{2}=0, y_{2}=2A)$
 $M_{3}(x_{1}=0, y_{1}=2A)$
 $M_{4}(x_{1}=0, y_{1}=2A)$
 $M_{5}(x_{1}=0, y_{2}=-A)$
 $M_{7}(x_{1}=0, y_{2}=-A)$
 $M_{8}(x_{1}=0, y_{2}=-A)$
 $M_{1}(x_{1}=0, y_{1}=-A)$
 $M_{2}(x_{2}=0, y_{2}=-A)$
 $M_{3}(x_{2}=0, y_{2}=-A)$
 $M_{4}(x_{1}=0, y_{1}=-A)$
 $M_{5}(x_{2}=0, y_{2}=-A)$
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 $M_{2}(x_{2}=0, y_{2}=-A)$
 $M_{3}(x_{2}=0, y_{2}=-A)$
 $M_{4}(x_{1}=0, y_{1}=-A)$
 $M_{5}(x_{2}=0, y_{2}=-A)$
 $M_{7}(x_{1}=0, y_{1}=-A)$
 $M_{8}(x_{2}=0, y_{2}=-A)$
 $M_{1}(x_{1}=0, y_{1}=-A)$
 $M_{2}(x_{2}=0, y_{2}=-A)$
 $M_{3}(x_{1}=0, y_{2}=-A)$



$$X''(t) = \frac{A}{\theta} \left(-\delta(t+2\theta) - \delta(t-2\theta) + 4\delta(t+\theta) - 4\delta(t-\theta) - 6\delta(\theta) \right) =$$

$$\frac{A}{\theta} \left[-e^{j\omega 2\theta} - e^{j\omega 2\theta} + 4e^{-j\omega \theta} - 6 \right] \Longrightarrow$$

$$= \frac{A}{\theta} \left[-2\cos(2\omega\theta) + 8\cos(\omega\theta) - 6 \right] =$$

$$\left(\frac{2\theta}{\theta}\left(-\cos\left(2\omega\theta\right)+4\cos\left(\omega\theta\right)-3\right)=\chi'''\left(j\omega\right)$$

$$X'''(b) = 0$$

They attend to grow the property $X''(b) = \frac{1}{j\omega} X'''(b)$

They attend to grow the property $X''(b) = \frac{1}{j\omega} X'''(b)$

$$X(j\omega) = \frac{1}{j\omega} X'(j\omega) + \pi X'(0) \delta(\omega)$$

$$X'(0) = \int_{-\infty}^{+\infty} X'(j\omega) + \pi X'(0) \delta(\omega)$$

$$X'(j\omega) = \frac{1}{j\omega}X''(j\omega) \implies X(j\omega) = \frac{1}{j\omega}X'(j\omega) = \frac{1$$

$$X(j\omega) = \frac{1}{(j\omega)^2} X^2(j\omega) =$$

$$\frac{-1}{\omega^2} \frac{2A}{\theta} \left(-\cos(2\omega\theta) + 4\cos(\omega\theta) - 3 \right)$$

$$\cos(2x) = \cos^2(x) - \sin^2(x) = \cos^2(x) - (1 - \cos^2(x)) = 2\cos^2(x) - 1$$

$$-\cos(2\omega\theta) + 4\cos(\omega\theta) - 3 = 1 - 2\cos^2(\omega\theta) + 4\cos(\omega\theta) - 3 =$$

$$-2 \cos^{2}(\omega \theta) + 4 \cos(\omega \theta) - 2 = -2 \left[\cos^{2}(\omega \theta) + 2 \cos(\omega \theta) + 1\right] =$$