

$$f(x) = f[u(x)]$$

$$f(x) = \sin^{2}x; u(x) = \sin x$$

$$f(u) = u^{2}$$

$$f(u(x)) = u^{2}(x^{2}) = \sin^{2}(x^{2})$$

$$f(x) = \frac{\partial u}{\partial x} = 2u \cos x = 2u \cos x = 2u \cos x$$

$$\frac{\partial f[u(x)]}{\partial x} \Rightarrow \frac{\partial f(u)}{\partial u} = \frac{\partial u}{\partial x} = 2u \cos x$$

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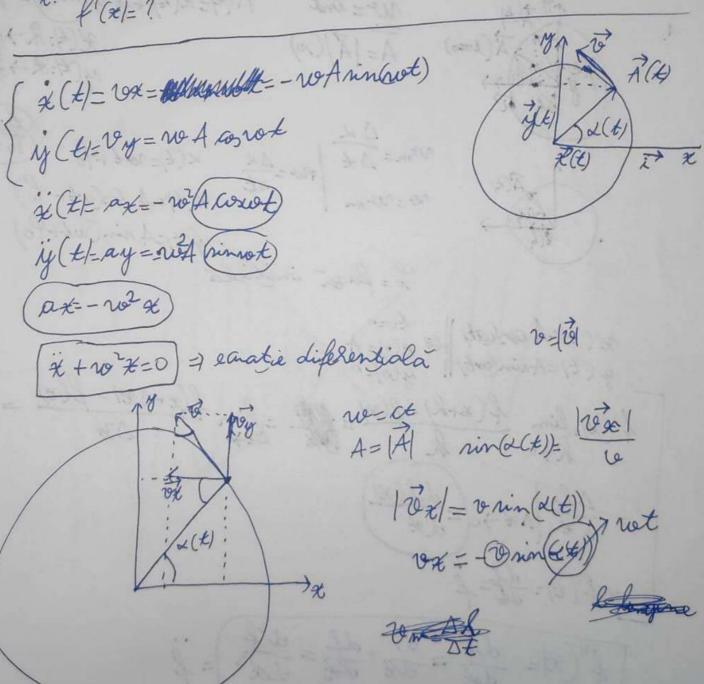
$$f(x) = \frac{\partial u}{\partial x} = \frac{\partial u}{\partial x} = 2u \cos x$$

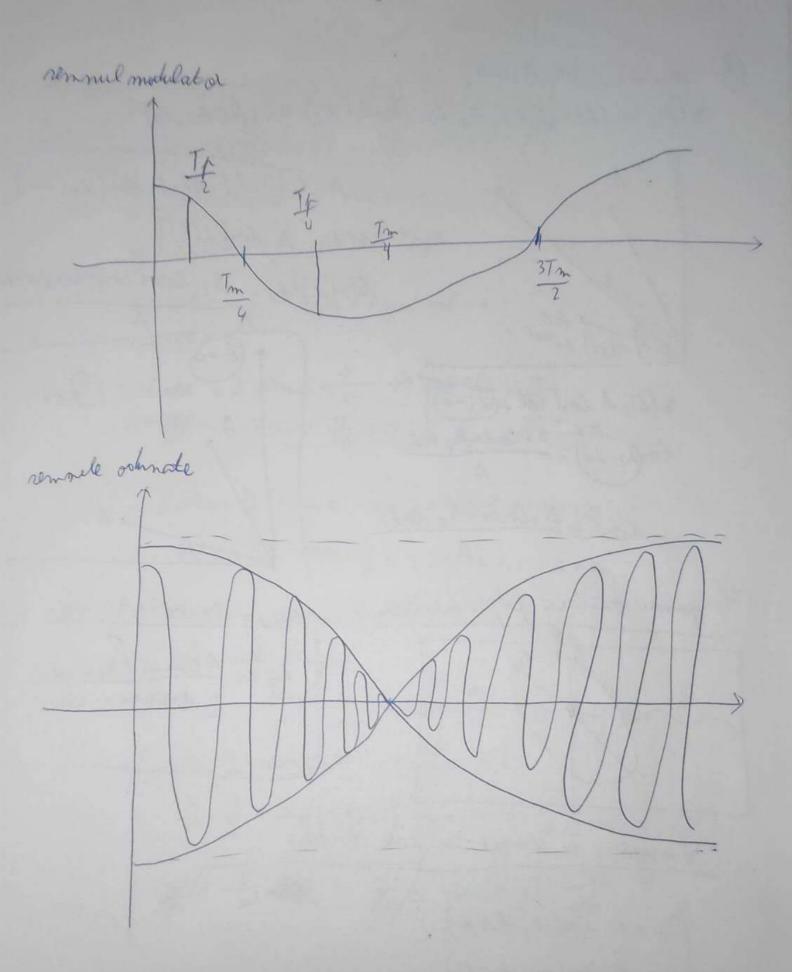
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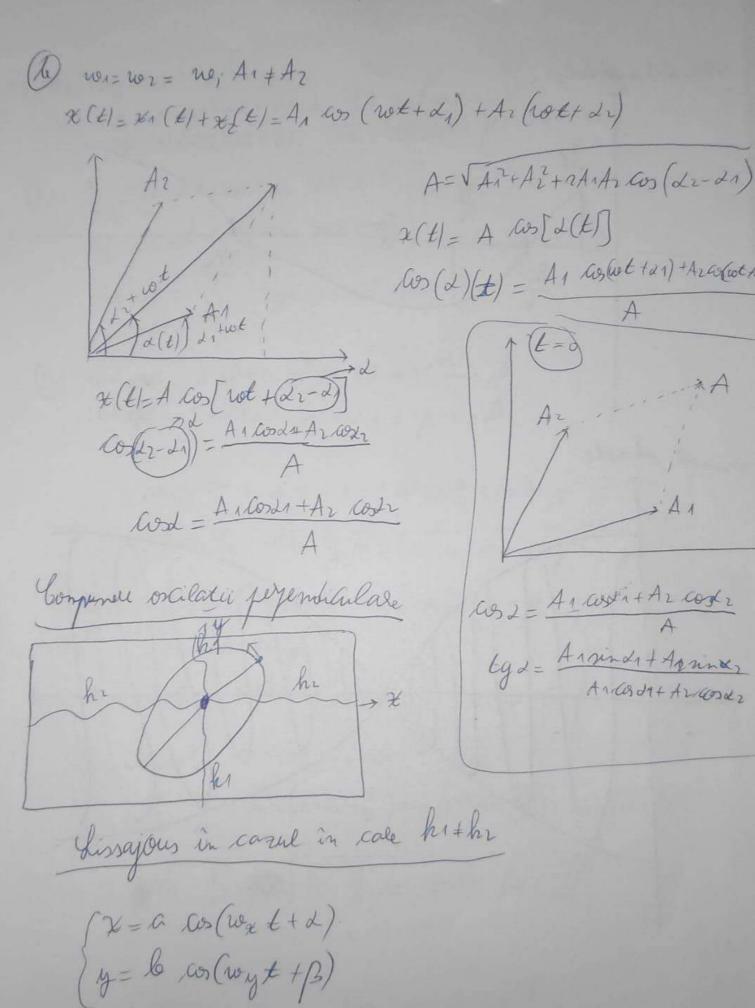
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$$f(x) = \frac{\partial u}{\partial x} =$$







a) 
$$\omega_{x} = \omega_{y} = \omega$$
  
=,  $\chi = \alpha \omega_{s}(\omega t + \alpha) =$ ,  $\chi = \omega_{s}(\omega t + \alpha)$   
 $\chi = \alpha \omega_{s}(\omega t + \beta)$   $\chi = \omega_{s}(\omega t + \beta)$ 

1 wt = 
$$\pm a x \cos \frac{\alpha}{\alpha} + i m \pi \sin \alpha Z I$$

where  $\pm a x \cos \frac{\alpha}{2} + 2 n \pi - \beta, n \in \mathbb{Z}$ 

=)  $\pm a c c c s \frac{\pi}{a} + i m \pi - a = \pm a c c s \frac{\pi}{a} + i n \pi - \beta$   $0 = \pm (a c c c s \frac{\pi}{a} - a c c c c s \frac{\pi}{a}) + i (m - n) + -a + \beta$   $\pm a c c c s \frac{\pi}{a} - a c c c c s \frac{\pi}{a} = i (n - m) + \lambda - \beta$ (on eliminat timpul  $\pm (a c c s \frac{\pi}{a} - a c c c s \frac{\pi}{a}) = i (n - m) \pi + \lambda - \beta$ (os  $(a c c c s \frac{\pi}{a} - a c c c s \frac{\pi}{a}) = i (s c c s \frac{\pi}{a}) = c s (a - \beta)$   $\frac{\pi}{a} \cdot \frac{\pi}{a} + n i (a c c s \frac{\pi}{a}) n i (a c c s \frac{\pi}{a}) = c s (a - \beta)$ ( $\sqrt{1 - \frac{\pi}{a^2}} = a c c c c s \frac{\pi}{a}) n i (a c c c s \frac{\pi}{a}) = c s (a - \beta)$ 

$$(1-\frac{x^{2}}{a^{2}})(1-\frac{y^{2}}{b^{2}})=\omega s^{2}(2-\beta)+(\frac{xy}{b^{2}})^{2}$$

$$-\frac{y^{2}}{a^{2}}+\frac{x^{2}}{a^{2}}+\frac{x^{2}y^{2}}{a^{2}}-\frac{xy}{a^{2}}\omega s(2-\beta)$$

$$(2-\beta)=0,\pi-\infty$$

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