

$$y_{\alpha}(t) = \alpha \cos \left(\omega \left(t - \frac{x}{\sqrt{r}}\right) + \gamma_{op}\right) =$$

$$= \alpha \cos \left(\frac{2\pi v}{\lambda}\left(t - \frac{x}{\sqrt{r}}\right) + \gamma_{op}\right) =$$

$$\omega = \frac{2\pi}{T}$$

$$= \alpha \cos \left(\frac{2\pi}{\lambda}(\kappa t - x) + \phi_{op}\right) =$$

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VALE
$$\cos(-\alpha) = \cos \alpha - \phi_{op}$$

$$y = ol cos \left(\frac{2\pi t}{\lambda} (x - N - t) + \varphi_0\right)$$

EQUAZIONE GENERALE UN'ONDA ARMONICA IN FUNZIONE DI LE X

The realtable FORTH
$$\bar{e}$$
 le demo ande per t quodini

$$0 = 100 m$$

$$\lambda = \frac{3}{5} = \frac{100m}{14} = 7.14m$$

$$F = 446 Hz$$
 $T = 7$
 $V = 343 m/s$ $A = 7$

$$T = 1 - 1 - 0.00224$$

$$V = 2.4 - 0.00224$$

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$$\lambda = \frac{V}{f} = \frac{343 \, \text{m/s}}{446 \, \text{Hz}} = 0.769 \, \text{m}$$

N17 Pag 895 Hp F OL=VAt = At-6,00 F = 340m/x.4,0x= Cn=01 = 1360 m= 1,4 *103m 2743 cm V= E > V=340 m/J F= X= 340 m/s = 45,8 Hz

N18 Pag 895 $V_{i}=18 m/0$ F_= 9/18 H> > - $\lambda_{r}\lambda_{z}$ 5-35 Vb - 7

100 50m $\sqrt{2} = \frac{1}{2} \cdot 3F_1 = \frac{3}{2} \cdot \frac{1}{2} \cdot \cdot$ 18 m/z -1/100 m