PAG. 900 N 14 (REPRISE)

$$29 \cos \left(\frac{\Delta Y}{2}\right) = 94$$

$$\cos \left(\frac{\Delta Y}{2}\right) = \frac{1}{2}$$

$$\frac{\Delta Y}{2} = \pm \arccos \frac{1}{2} + 2KT$$

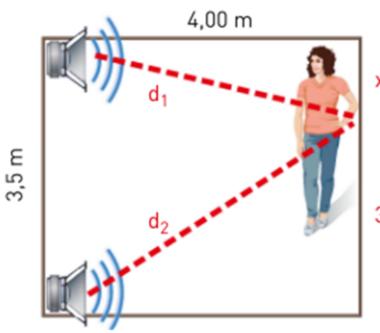
$$\frac{\Delta Y}{2} = \pm \frac{17}{3} + 2KT$$

$$\Delta Y = \pm \frac{17}{3} + 4KT$$

PAG. 900 N7 L = 3,0 m $S = 2,0 \text{ cm}^2$ $d = \frac{m}{V}$ L = 3,0 m $S = 2,0 \text{ cm}^2$ $d = 8860 \frac{kg}{m^3}$ f = 500 Hz $\lambda = 9,20 \text{ m}$ $N = \sqrt{\frac{F_7}{d}}$

 $F_{T} = n^{2} d_{L} = \lambda^{2} \ell^{2} \frac{m}{L} = \lambda^{2} \ell^{2} \frac{dV}{L} = \lambda^{2} \ell^{2} \frac{dSL}{L} = 0.20^{2} \cdot 500^{2} \cdot 8960 \cdot 2,0.10^{4} N = 1,8 \times 10^{4} N$

N 16



$$\left| \sqrt{\chi^2 + 4,00^2} - \sqrt{4,00^2 + (3,50-x)^2} \right| = 0,4857$$

Numerical solutions:

 $x \approx 1.13914288907775...$

 $x \approx 2.36085711092225...$

$$\Delta Y = \frac{\pi}{3}$$
 $\Delta x = ?$

