$$\omega = \frac{\Delta \varphi}{\Delta t}$$

$$\frac{\varphi_{\Delta}}{\sqrt{2\pi}} = \frac{\varphi_{\Delta}}{\omega} = 3\Delta$$

$$\Delta X = N - \Delta P = (340 M) \frac{\pi/3}{2\pi \cdot 200 Hz} = 0,283 M$$

$$\Delta t = \frac{\Delta \varphi}{2\pi \chi} = \frac{\Delta \varphi}{2\pi \chi}$$

$$\Delta \Psi = 2\pi k \Delta t = 2\pi (200 Hz) \cdot (4,0.10^{-3}s) = 1,3 Rest$$

$$a = 0,21 m$$

$$\omega = 10\pi$$
 red

$$A = 0,36 m$$

$$A = 2a \cos\left(\frac{\Delta \theta}{2}\right)$$

$$\Delta Y = 2 \operatorname{araos} \frac{A}{2a} = 2 \operatorname{araos} \frac{0.36}{2.0,21} = \\
= 620 = 62\pi \\
480$$

$$Y_{1} = 0 \operatorname{cos}(\omega t + P_{1})$$

$$Y_{2} = 0 \operatorname{cos}(\omega t + P_{2})$$

$$Y = 20 \operatorname{cos}(\omega t + P_{2})$$

$$Y = 20 \operatorname{cos}(\omega t + P_{1})$$

$$Y = 20 \operatorname{cos}(\omega t + P_{1})$$

$$Y = 20 \operatorname{cos}(\omega t + P_{2})$$

$$Y = (0.36 \, \text{m}) \operatorname{cos}(10 \, \text{m}) \cdot \text{ad} t + \frac{311}{180}$$