



$$A = \sqrt{p} \cos(\psi_0) \sin(\psi) - \sqrt{p} \sin(\psi_0) \cos(\psi) = k \cos(\psi) \quad k = 5$$

$$-\cos(1\psi_0 - \psi_0) = -\cos \psi_0 = -\frac{\sqrt{p}}{r} \quad A = \frac{5}{r} \cos \psi$$

$$\sin(1\psi_0 - \psi_0) = \sin \psi_0 = \frac{\sqrt{p}}{r}$$

$$\sin(\psi - 1\psi_0) = -\sin \psi_0 \Rightarrow \cos(\psi - \psi) = \cos \psi$$

$$-\cos(1\psi_0 - 1\psi) = -\cos \psi$$

$$f(x) = 14 \cos^2\left(\frac{\pi}{4}\right) \cos^2(x) \cos^2\left(\frac{\pi}{4}\right) \cos^2\left(\frac{\pi}{4}\right) \Rightarrow f\left(\frac{\pi}{4}\right) = 5$$

$$\cos^2\left(\frac{\pi}{4}\right) = \frac{1 + \cos\left(\frac{\pi}{2}\right)}{2}$$

$$\frac{1 + \cos\left(\frac{\pi}{2}\right)}{2}$$

$$\frac{1 + \cos\left(\frac{\pi}{2}\right)}{2}$$

$$\frac{1 + \cos\left(\frac{\pi}{2}\right)}{2}$$

$$\frac{1 + \cos\left(\frac{\pi}{2}\right)}{2}$$

$$\hookrightarrow \cos^2\left(\frac{\pi}{4}\right) = \frac{1 + \cos\left(\frac{\pi}{2}\right)}{2} = \frac{1 + 0}{2} = \frac{1}{2}$$

$$\tan \frac{\alpha}{2} = 5$$

$$\frac{1 - \sin \alpha}{1 + \sin \alpha} = \epsilon$$

$$\frac{\pi}{2} < \alpha < \frac{3\pi}{2}$$

$$\frac{1 - \cos \alpha}{\sin \alpha} = \tan \frac{\alpha}{2}$$

$$\hookrightarrow 1 - \sin \alpha = \epsilon + \epsilon \sin \alpha \Rightarrow -\psi = \sin \alpha$$

$$\sin^2 \alpha + \cos^2 \alpha = 1$$

$$\frac{9}{16} + \cos^2 \alpha = 1 \Rightarrow \cos^2 \alpha = \frac{7}{16}$$

$$\frac{-\frac{\psi}{\omega}}{1 + (-\frac{\epsilon}{\omega})} = -\psi$$

$$\frac{\sin \theta}{1 - \cos \theta} + \frac{1 + \cos \theta}{\sin \theta} = k \cot \frac{\theta}{2} \quad k = 5$$

$$k = 5$$

$$\frac{\sin \theta}{1 - \cos \theta} = \frac{1 - \cos \theta}{\sin \theta} = \tan \frac{\theta}{2}$$

$$\hookrightarrow \cot \frac{\theta}{2} + \cot \frac{\theta}{2} = 5 \cot \frac{\theta}{2}$$

$$\cos\left(\frac{11\pi}{6} + \alpha\right) = 5$$

$$\sin \alpha = \frac{\sqrt{p}}{10} \quad \alpha \Rightarrow \text{angle}$$

$$\sin^2 \alpha + \cos^2 \alpha = 1 \Rightarrow \frac{p}{100} + \cos^2 \alpha = 1 \Rightarrow \cos^2 \alpha = \frac{9p}{100} = \frac{9 \cdot 10}{100} = \frac{9}{10}$$

$$\hookrightarrow \cos\left(\frac{11\pi}{6} + \frac{11\pi}{6} + \alpha\right) = \cos\left(\frac{11\pi}{6}\right) \cos \alpha - \sin\left(\frac{11\pi}{6}\right) \sin \alpha$$

$$\Rightarrow \left(-\frac{\sqrt{p}}{r}\right) \left(-\frac{\sqrt{p}}{10}\right) - \left(\frac{\sqrt{p}}{10}\right) \left(\frac{\sqrt{p}}{r}\right) = \frac{10}{10} = 1$$