

ب) (س) متواتر باد 116 پيسر B

$$\cot \leq \frac{\cos}{\sqrt{1-\cos^2}} \Rightarrow \sin > 0$$

$$\frac{1}{|\cos|} - \frac{\sin}{\cos} = \frac{1-\sin}{|\cos|} \Rightarrow \frac{\sin}{\cos} = \frac{\sin}{|\cos|} \Rightarrow \cos > 0$$

$$-\frac{\pi}{4} < \alpha < \frac{\pi}{4} \quad -\frac{1}{2} < \frac{M-1}{\epsilon} \leq 1 \quad -1 < M \leq 0$$

$$\tan + \cot = -\frac{1}{2} \Rightarrow \frac{1}{2} = \sin \cdot \cos \quad \frac{\pi}{4} < \alpha < \pi \Rightarrow \sin > 0, \cos < 0$$

$$(\sin + \cos)' = 1 + \alpha \left(\frac{1}{2}\right) = \frac{1}{2} \Rightarrow \frac{1}{\frac{(\sin + \cos)(1 + (\frac{1}{2}))}{\sqrt{2}}} = \frac{1}{\frac{\sqrt{2}}{2} \times \frac{3}{2}} = \frac{2\sqrt{2}}{3}$$

$$\cos \theta = 0 \Rightarrow \omega \times 0 \leq r \leq h \quad r \times \frac{\omega + r}{r} \leq 100$$

$$-\tan\left(\frac{\pi}{4} + \alpha\right) \tan(\pi - \alpha) - \sin(\alpha) \cos\left(\frac{\pi}{4} - \alpha\right)$$

$$+ \cot \alpha \times \tan \alpha + \sin \alpha \times \sin \alpha = \sin^2 \alpha - 1 = -\cos^2 \alpha \Rightarrow K = -1$$

$$\frac{\sqrt{2} \times \frac{\sqrt{2}}{2} \times \cos \frac{\pi}{4}}{\frac{\sqrt{2}}{2}} + \frac{\sqrt{2} \times \frac{\sqrt{2}}{2} \times \cos \frac{\pi}{4}}{\frac{\sqrt{2}}{2}} = (2\alpha) \cos \frac{\pi}{4}$$

$$\frac{1}{\sqrt{2}} \times \cos\left(\frac{\pi}{4}\right) \cos\left(\frac{\pi}{4}\right) \cos\left(\frac{\pi}{4}\right) \cos\left(\frac{\pi}{4}\right) = \frac{1 + \sqrt{2}}{14}$$

$$\frac{1 + \cos \frac{\pi}{4}}{2} = \cos^2 \frac{\pi}{8} = \frac{1 + \sqrt{2}}{4}$$

$$1 - \sin = \epsilon + \epsilon \sin \Rightarrow \sin = \frac{-\epsilon}{\omega} \quad \cos = \frac{\epsilon}{\omega} \quad \tan = \frac{\epsilon}{\epsilon}$$

$$\frac{\epsilon}{\epsilon} = \frac{\epsilon \left(\frac{\tan \frac{\pi}{4}\right)^t}{1 - \tan^2 \frac{\pi}{4}} \Rightarrow \frac{\epsilon}{\epsilon} - \frac{\epsilon}{\epsilon} t^2 = \epsilon t \Rightarrow \epsilon + \epsilon + \epsilon t - \epsilon = 0 \Rightarrow \frac{-1 - \sqrt{1 + 4\epsilon}}{2} = -\frac{\epsilon}{\epsilon}$$

$$\frac{1 + \cos}{\sin} = \frac{\sin}{1 - \cos} \Rightarrow \frac{\epsilon(1 + \cos)}{\sin} = \epsilon \cot \frac{\alpha}{2} \Rightarrow K = \epsilon$$

$$\cos\left(\frac{\pi}{4} + \alpha\right) = \cos \alpha \times \frac{\sqrt{2}}{2} - \sin \alpha \times \frac{\sqrt{2}}{2} = \frac{\sqrt{2}}{2} \left(\frac{\sqrt{2}\alpha - \sqrt{2}}{2}\right) = 0$$