

روانم بر A

کتاب

1/1

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

$$\Rightarrow \cos \alpha = 1 \Rightarrow \cos \alpha = \frac{1}{r} \Rightarrow \alpha = \frac{\pi}{4}, \frac{\partial \pi}{\partial r} = \frac{1}{r^2}$$

$$\frac{\partial}{\partial \alpha} (\cos \alpha + \tan \alpha) = 0 \Rightarrow -\sin \alpha + \sec^2 \alpha = 0 \Rightarrow \sec^2 \alpha = \sin \alpha$$

$$\sec^2 \alpha = \sin \alpha \Rightarrow \frac{1}{\cos^2 \alpha} = \sin \alpha \Rightarrow \cos^2 \alpha = \frac{1}{\sin \alpha} \Rightarrow \cos^2 \alpha = \frac{1}{1 - \cos^2 \alpha}$$

$$(\cos^2 \alpha)(1 - \cos^2 \alpha) = 1 \Rightarrow \cos^2 \alpha = 1 \Rightarrow \alpha = \pi, -\pi$$

ΔC

کتاب

1/1

$$r \sin \alpha + \cos \alpha = 1 \Rightarrow r \sin \alpha = 1 - \cos \alpha \Rightarrow r = \frac{1 - \cos \alpha}{\sin \alpha}$$

$$\Rightarrow (r \sin \alpha)(1 - \cos \alpha) = 1 \Rightarrow \sin \alpha = \frac{1}{r}$$

$$\sin \alpha = \frac{1}{r} \Rightarrow \alpha = \frac{\pi}{2}, \frac{\partial \pi}{\partial r} = \frac{1}{r^2}$$

$$\Rightarrow \frac{\pi}{2} \cdot \frac{1}{r^2} = \frac{\partial \pi}{\partial r}$$

$$\sin(\frac{\pi}{2} + \alpha) = \cos(\frac{\pi}{2} + \alpha) \Rightarrow \cos \alpha = \sin \alpha$$

$$\Rightarrow \cos \alpha = \sin \alpha \Rightarrow \alpha = \frac{\pi}{4}, \frac{\partial \pi}{\partial r} = \frac{1}{r^2}$$

$$x_2, x_1 \lambda + \frac{\pi}{4} = x_2, x_1 \lambda + \frac{\pi}{4} \pm x_2, x_1 \lambda - \frac{\pi}{4} \Rightarrow x_2, x_1 \lambda \pm \frac{\partial \pi}{4}$$

$$\Rightarrow x_2, \frac{\partial \pi}{4} = \frac{\pi}{4} \pm \frac{\pi}{4} \Rightarrow \tan x_2 = \tan \frac{\pi}{4} = 1$$

$$\cos(x_2 + \frac{\pi}{4}) = \frac{1}{\sqrt{2}} \Rightarrow \cos(x_2 + \frac{\pi}{4}) = \frac{1}{\sqrt{2}} \Rightarrow \sin x_2 = -\frac{1}{\sqrt{2}} = 0$$

$$\Rightarrow \sin x_2 = \frac{1}{\sqrt{2}} \Rightarrow \cos(x_2 + \frac{\pi}{4}) = \frac{1}{\sqrt{2}} \Rightarrow \sin(x_2 - \frac{\pi}{4}) = \frac{1}{\sqrt{2}}$$

$$\Rightarrow (\sqrt{2} \sin(\frac{\pi}{4} - x_2)) m = \frac{\sqrt{4}}{4} m = \sqrt{4} = 2$$

$$\Rightarrow \cancel{m} = \frac{\sqrt{4}}{\frac{\sqrt{4}}{4}} \Rightarrow m = 4$$

$$\sin(x_2 + \frac{\pi}{4}) \cos(x_2 - \frac{\pi}{4}) = 1 \Rightarrow \cos(\frac{\pi}{4} - x_2) \cos(x_2 - \frac{\pi}{4}) = 1$$

$$= 1 \Rightarrow \sin(x_2 + \frac{\pi}{4}) = 1 \Rightarrow \sin(x_2 + \frac{\pi}{4}) = \pm 1$$

$$\Rightarrow x_2 + \frac{\pi}{4} = k\pi + \frac{\pi}{2} \Rightarrow x_2 = k\pi + \frac{\pi}{4} \Rightarrow \sin(x_2 + \frac{\pi}{4}) = \pm 1$$

$$\sin x_2 = \sqrt{2} \cos x_2 \Rightarrow \frac{1}{\sqrt{2}} \sin(x_2 + \frac{\pi}{4}) = \frac{\sqrt{2}}{4}$$

$$\Rightarrow x_2 + \frac{\pi}{4} = k\pi + \frac{\pi}{2} \Rightarrow x_2 = k\pi + \frac{\pi}{4} \Rightarrow \sin(x_2 + \frac{\pi}{4}) = \pm 1$$

$$\Rightarrow x_2 = k\pi + \frac{\partial \pi}{4} \Rightarrow x_2 = \frac{\partial \pi}{4} = \frac{\pi}{4} \Rightarrow \frac{\pi}{4}$$

$$\frac{\partial \pi}{4} = \frac{\pi}{4} + \frac{\pi}{4} = \frac{\pi}{2}$$

$$\sin \alpha \cos \left(\frac{\pi}{r} - \alpha \right) = 1 \Rightarrow \sin \alpha \cos \left(\frac{\pi}{r} - \alpha \right) = 1 \Rightarrow \sin \alpha \cos \alpha = 1 - 1$$

$$\Rightarrow \sin \alpha = -\frac{1}{r} \Rightarrow \alpha = \frac{\pi}{r} - \frac{\pi}{4} \Rightarrow \alpha = \frac{\pi}{r} - \frac{\pi}{4} \Rightarrow \alpha = \frac{\pi}{r} - \frac{\pi}{4}$$

$$\Rightarrow \alpha = \frac{\pi}{r} - \frac{\pi}{4} \xrightarrow{\text{w.p.}} \frac{0\pi}{1r} + \frac{11\pi}{1r} + \frac{19\pi}{1r} + \frac{44\pi}{1r} = \frac{\pi}{r}$$

$$1 + C \cdot S^T \alpha = C \cdot S^T \alpha$$

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$$C \cdot S^T \alpha \cdot C \cdot S^T \alpha = \pm \frac{1}{\Lambda}$$

$$\tan \alpha \tan \alpha = 1 \Rightarrow \tan^2 \alpha = \frac{1}{\tan \alpha} \Rightarrow \tan^2 \alpha = \tan \left(\frac{\pi}{r} - \alpha \right)$$

$$\Rightarrow \alpha = \frac{\pi}{r} - \alpha \xrightarrow{\text{w.p.}} \alpha = \frac{\pi}{r} - \alpha \Rightarrow \alpha = \frac{\pi}{r} - \alpha$$

$$\xrightarrow{\text{w.p.}} \frac{9\pi}{1} + \frac{11\pi}{1} + \frac{19\pi}{1} + \frac{10\pi}{1} = \frac{\pi}{1}$$

$$\frac{\chi \sin \alpha}{\sin \alpha} \cdot \sin \cdot \Lambda \alpha = \pm \sin \alpha$$

$$\Lambda \alpha = \chi \pi + \alpha$$

$$\Lambda \alpha = \chi \pi + \pi - \alpha$$

$$\Lambda \alpha = \chi \pi - \alpha$$

$$\Lambda \alpha = \chi \pi + \pi + \alpha$$

$$\alpha = \frac{\chi \pi}{\Lambda}$$

$$\alpha = \frac{\chi \pi}{\Lambda}$$

$$\alpha = \frac{\chi \pi + \pi}{\Lambda}$$

$$\alpha = \frac{\chi \pi + \pi}{\Lambda}$$

$$\max(A) = \frac{\Lambda \pi}{\Lambda}$$

P4PCO