

روانم بر A

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$$\cos \alpha - \tan^2 \alpha = 1 \Rightarrow \cos \alpha + \tan^2 \alpha = 1 \Rightarrow \cos \alpha = \frac{1}{\cos^2 \alpha} = 1$$

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

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

$$\cos^2 \alpha - \sin^2 \alpha = \cos \alpha \Rightarrow \cos \alpha (\cos \alpha - \sin \alpha) = 0 \Rightarrow \cos \alpha = 0 \Rightarrow \alpha = \frac{\pi}{2}, -\frac{\pi}{2}$$

$$(\cos \alpha + 1)(\cos \alpha + \sin \alpha) = 0 \Rightarrow \cos \alpha = -1 \Rightarrow \alpha = \pi, -\pi$$

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$$\sin^2 \alpha + \cos^2 \alpha = 1 \Rightarrow \sin^2 \alpha - \cos^2 \alpha = 1 \Rightarrow \sin^2 \alpha = 1 \Rightarrow \sin \alpha = \pm 1$$

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

$$\sin \alpha = -1 \Rightarrow \alpha = \frac{3\pi}{2}, \frac{\partial \pi}{\partial r} = \frac{1}{r^2}$$

$$\Rightarrow \frac{\pi}{r} \cdot \frac{\pi}{r} \cdot \frac{\partial \pi}{\partial r} = \frac{\partial \pi}{\partial r}$$

$$\sin(\frac{\pi}{r} \cdot \pi) = \cos(\frac{\pi}{r} \cdot \pi) \Rightarrow \cos \pi = \sin \pi$$

$$\Rightarrow \cos \pi = \sin \pi \Rightarrow 1 = \sin \pi \Rightarrow \sin \pi = 1 \Rightarrow \pi = \frac{\pi}{2}$$

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

$$\Rightarrow x_2, \frac{\partial \pi}{4} = \frac{\pi}{4}, \frac{2\pi}{4}, \frac{\pi}{4} \Rightarrow \tan x_2 = \tan \frac{\pi}{4} = \sqrt{4}$$

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

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

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

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

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

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

$$\Rightarrow x_2 + \frac{\pi}{4} = x_1 + \frac{\pi}{4} \Rightarrow x_2 = x_1 + \frac{\pi}{4} \Rightarrow \text{is for } \frac{\pi}{4} \text{ and } \frac{3\pi}{4}$$

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

$$\Rightarrow x_2 + \frac{\pi}{4} = x_1 + \frac{\pi}{4} \Rightarrow x_2 = x_1 + \frac{\pi}{4} \Rightarrow x_2 = \frac{\pi}{4} + x_1 + \frac{\pi}{4} = \frac{\pi}{2} + x_1$$

$$\Rightarrow x_2 = x_1 + \frac{\partial \pi}{4} \Rightarrow x_2 = \frac{\partial \pi}{4}, \frac{\pi}{4}, \frac{3\pi}{4}$$

$$\frac{\partial \pi}{4} = \frac{\pi}{4} + \frac{3\pi}{4} = \frac{4\pi}{4}$$

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

$$\Rightarrow \sin \alpha = \frac{1}{r} \Rightarrow r = \frac{1}{\sin \alpha} \Rightarrow r = \frac{1}{\sin \alpha} \Rightarrow r = \frac{1}{\sin \alpha}$$

$$\Rightarrow r = \frac{1}{\sin \alpha} \Rightarrow \frac{1}{\sin \alpha} = \frac{1}{\sin \alpha} \Rightarrow \frac{1}{\sin \alpha} = \frac{1}{\sin \alpha} \Rightarrow \frac{1}{\sin \alpha} = \frac{1}{\sin \alpha}$$

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

$$\Rightarrow r = \frac{1}{\sin \alpha} \Rightarrow r = \frac{1}{\sin \alpha} \Rightarrow r = \frac{1}{\sin \alpha} \Rightarrow r = \frac{1}{\sin \alpha}$$

$$\frac{1}{\sin \alpha} = \frac{1}{\sin \alpha} \Rightarrow \frac{1}{\sin \alpha} = \frac{1}{\sin \alpha} \Rightarrow \frac{1}{\sin \alpha} = \frac{1}{\sin \alpha} \Rightarrow \frac{1}{\sin \alpha} = \frac{1}{\sin \alpha}$$