

$$r \times \frac{1}{r} \times \sin A + \Delta \times r \times \cos A = \Delta r$$

$$\alpha^2 = 1 \Delta$$

$$\alpha = \sqrt{\Delta}$$

$$\Delta = r^2 (\cos A + \sin A) = \sqrt{\Delta} r^2$$

$$\frac{1}{r} \times \sin A \times \Delta - \frac{1}{r} \times \sin A \times r \times \Delta = \frac{\Delta}{r}$$

$$\frac{\Delta}{r} \sin A - \frac{\Delta}{r} \sin A = \frac{\Delta}{r}$$

$$\frac{\Delta}{r} \sin A = \frac{\Delta}{r}$$

$$\sin A = \frac{1}{r}$$

$$\hat{A} = 30^\circ$$

$$\tan \hat{A} = \frac{\sqrt{3}}{r}$$

$$\frac{1}{\sqrt{\cos x}} - \tan x = \frac{1 + \sin x}{|\cos x|}$$

$$\tan x = \frac{1 - 1 - \sin x}{|\cos x|}$$

$$\frac{\sin x}{\cos x} = \frac{-\sin x}{|\cos x|}$$

$$|\cos x| = -\cos x$$

$$\cos x < 0$$

$$\tan(\pi - \alpha) = \cot \alpha = -\frac{r}{\sqrt{3}}$$

$$\cot(\pi - \alpha) = -\cot \alpha = \frac{r}{\sqrt{3}} = \frac{r}{\sqrt{3}} \Rightarrow \cot \alpha = -\frac{r}{\sqrt{3}}$$

$$\frac{r \cos(45^\circ) - r \sin(135^\circ)}{\sin(45^\circ) - \cos(135^\circ)} = \frac{-r \sin(45^\circ) - r \sin(45^\circ)}{-\sin(45^\circ) - \sin(45^\circ)} = \frac{-\Delta \sin(45^\circ)}{-r \sin(45^\circ)} = \frac{\Delta}{r}$$

$$\frac{\cos x + \sin x}{|\tan x - 1|} = \frac{\frac{r}{\sqrt{3}} - \frac{\sqrt{3}}{r}}{\frac{1}{r}} = \frac{r - r\sqrt{3}}{r}$$

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

$$\sin^2 x = \frac{1}{9}$$

$$\sin x = -\frac{\sqrt{3}}{3}$$

$$\tan^2 x = \frac{1}{\cos^2 x} - 1 = \frac{4}{r^2}$$

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

$$r \cos^2 x + \cos^2 x = 1$$

$$\cos^2 x = \frac{1}{r}$$

$$\cos x = \frac{-1}{\sqrt{r}} = \frac{-\sqrt{3}}{3}$$

$$\tan \theta = \frac{-Ym}{m^2-1}$$

$$\frac{-Ym}{m^2-1} = \sqrt{r} \quad \sqrt{r} m^2 + Ym - \sqrt{r} = 0$$

$$\frac{\sqrt{\Delta}}{|a|} = \frac{\sqrt{Y^2+4r}}{\sqrt{r}} = \frac{Y}{\sqrt{r}} = \frac{Y\sqrt{r}}{r}$$

$$-\frac{\pi}{r} < \alpha < \frac{\pi}{r}$$

$$\frac{\pi}{r} > -\alpha > -\frac{\pi}{r}$$

$$\frac{\pi}{r} > \frac{\pi}{r} - \alpha > 0$$

$$\tan\left(\frac{\pi}{r} - \alpha\right) = \frac{1-m}{r+m} > 0$$

$$\frac{-r}{-r+1} - r < m < 1$$

$$(-\sqrt{r})(-\frac{\sqrt{r}}{r}) + (-\sqrt{r})(\frac{\sqrt{r}}{r}) = \frac{r}{r} - \frac{r}{r} = 0$$

-1

-9

10