

$$T = \frac{r}{|b|} \Rightarrow \frac{r}{r} \left\{ \begin{array}{l} -\frac{r}{r} - \frac{r}{\varepsilon} \Rightarrow \frac{-r-r}{\varepsilon} = -\frac{2r}{\varepsilon} \quad \times \frac{1}{r} \quad \frac{r}{\varepsilon} = C \quad (1) \\ \frac{r}{r} - \frac{r}{\varepsilon} \Rightarrow \frac{r-r}{\varepsilon} = \frac{r}{\varepsilon} \quad \times \frac{1}{r} \Rightarrow -\frac{r}{\varepsilon} = A \end{array} \right.$$

$$\alpha^r - \sin \alpha \alpha - \frac{1}{\varepsilon} + \frac{1}{\varepsilon} \sin^r \alpha = 0 \quad \alpha = \frac{r}{\varepsilon} \rightarrow \frac{\varepsilon}{9} - \frac{r}{r} \sin \alpha - \frac{1}{\varepsilon} + \frac{1}{\varepsilon} \sin^r \alpha \quad (2)$$

$\cos^r \alpha = 1 - \sin^r \alpha$

$$\times 9 \rightarrow 14 - 2\varepsilon \sin \alpha - 9 + 9 \sin^r \alpha = 0 \quad 9 \sin^r \alpha - 2\varepsilon \sin \alpha + 5 = 0 \quad \sin \alpha = \frac{1}{r} v$$

$$(r \sin \alpha - v)(r \sin \alpha - 1) \rightarrow \sin \alpha = \frac{v}{r} x$$

$$1 + \tan^r \alpha = \frac{1}{\cos^r \alpha} \quad \cos^r \alpha = 1 - \sin^r \alpha \rightarrow \cos^r \alpha = 1 - \frac{1}{9} \Rightarrow \frac{8}{9} \quad (1 + \tan^r \alpha = \frac{9}{8})$$

طبق قانون تنزيه $\log$

$$\log \frac{\sin \alpha}{-\cos^r \alpha} = \log^r \quad -\tan \alpha = r \quad \tan \alpha = -r \quad 1 + \tan^r = \frac{1}{\cos^r} \quad (3)$$

$$\frac{1}{\cos^r} = 1 + 9 \quad \cos^r = \frac{1}{10} \quad \cos \alpha = \frac{\sqrt{10}}{10} \quad \sin^r \alpha = 1 - \cos^r \alpha \quad \sin^r \alpha = 1 - \frac{1}{10} = \frac{9}{10}$$

$$\sin \alpha = \frac{3\sqrt{10}}{10} \quad \sin \alpha - \cos \alpha = 5 \frac{3\sqrt{10}}{10} - \frac{\sqrt{10}}{10} \Rightarrow \frac{2\sqrt{10}}{10} = \frac{\sqrt{10}}{5}$$

$$\sin^r \alpha = 1 - \cos^r \alpha \rightarrow \sin^r \alpha = 1 + \cos^r \alpha - 2\cos^r \alpha \quad \sin^r \alpha + \cos^r \alpha = \frac{\varepsilon}{\omega} \quad (4)$$

$$1 + \cos^r \alpha - 2\cos^r \alpha + \cos^r \alpha = \frac{\varepsilon}{\omega} \quad 1 + \cos^r \alpha - \cos^r \alpha = \frac{\varepsilon}{\omega} \quad 1 - \cos^r \alpha = \sin^r \alpha$$

$$\sin^r \alpha + \cos^r \alpha = \frac{\varepsilon}{\omega}$$

$$\frac{\sin \alpha (r + \cos \alpha)}{r(1 - \cos^r \alpha)} = \frac{r + \cos \alpha}{r \sin \alpha} < 0 \quad \sin \alpha < 0 \quad (5)$$

$$\sin \alpha \cdot \frac{\sin \alpha}{\cos \alpha} - \frac{1}{\cos \alpha} > 0 \quad \frac{\sin^r \alpha - 1}{\cos \alpha} > 0 \quad \frac{-\cos^r \alpha}{\cos \alpha} > 0 \quad \cos \alpha < 0$$

الزاوية في الربع الثاني

$$\sin \omega_0 = \cos \epsilon_0 \quad \sqrt{\frac{1 + \cos \epsilon_0}{\sin \omega_0 + \sin 10}} \quad \cos^2 \alpha = \frac{1 + \cos \epsilon_0}{r} \rightarrow \frac{\sqrt{r \cos^2 \epsilon_0}}{\sin \omega_0 + \sin 10} \quad (V)$$

$$\frac{\sqrt{r} |\cos \epsilon_0|}{\sin \omega_0 + \sin 10} \xrightarrow{\substack{\text{مساوی است } r \cos \epsilon_0 \\ \text{مساوی است } \cos \epsilon_0}} \frac{\sqrt{r} \cos \epsilon_0}{\sin \omega_0 + \sin 10} \rightarrow r \sin \left(\frac{\omega_0 + 10}{r} \right) \cos \left(\frac{\omega_0 - 10}{r} \right)$$

$$\rightarrow \frac{\sqrt{r} \cos \epsilon_0}{\cos \epsilon_0} = \boxed{\sqrt{r}}$$

$$\underbrace{(1 - r \sin^2 \omega)}_{\cos 10} \underbrace{(r \cos^2 10 - 1)}_{\cos 10} \underbrace{\left(\frac{1 - \tan^2 \epsilon_0}{1 + \tan^2 \epsilon_0} \right)}_{\cos \epsilon_0} \xrightarrow{\sin 10} \frac{\sin 10 \cos 10 \times \cos \epsilon_0 \times \cos \epsilon_0}{\sin 10} \quad (1)$$

$$\rightarrow \frac{\frac{1}{r} \sin \epsilon_0 \cos \epsilon_0 \cos \epsilon_0}{\sin 10} \Rightarrow \frac{\frac{1}{r} \sin \epsilon_0 \cos \epsilon_0}{\sin 10} \Rightarrow \frac{\frac{1}{r} \sin 10}{\sin 10} = \cos 10$$

$$\Rightarrow \boxed{\frac{1}{r} \tan 10}$$

$$a \sin \alpha + b \cos \alpha = \frac{a}{|a|} \sqrt{a^2 + b^2} \sin(\alpha + \alpha) \quad \tan \alpha = \frac{b}{a} \quad (9)$$

$$\hookrightarrow \sin \alpha + r \cos \alpha = r \rightarrow r \sin(\alpha +) \quad \tan \alpha = r$$