

$\mu: \mathcal{A} \rightarrow \mathcal{B}$



$$\mu_x y = 116$$

$$110 + 45 + 10 = 165$$

$$W_F \div P = PV$$

$$\mu_0 - \mu_V = \mu^\circ$$

$$P_{40} - P_{10} = \frac{1}{10} \frac{dP}{dt}$$

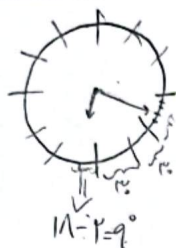
$$K \times G = KG$$

ب) $d\vec{r} \Rightarrow |dM - \mu_0 H| = \left| d_1 d_2 \times dK - \underbrace{\mu_0}_{\mu_0} \times \underbrace{H}_{H_0} \right| = \mu_0 V$

$$u_{\phi} - P.V. = \frac{1}{d} \mu_0$$

(الف)

4:18



$$\forall x \forall y = 1 \wedge$$

$$M_B \times V = \%$$

$$11 - 2 = 9^\circ$$

$$40 + 1n + 9 = 11$$

$$\rightarrow \left| \frac{d}{dM} - \frac{K}{H} \right| = \left| \frac{d \times 1}{11} - \frac{K \times 9}{11} \right| = 11^\circ$$

$$\text{ell)} \Rightarrow \frac{\alpha}{\gamma} R^{\gamma} = \frac{\frac{\pi}{\sqrt{e}} \times \phi^{\omega}}{\gamma} = \frac{\frac{\gamma \pi}{\gamma}}{\gamma} = \frac{\gamma \pi}{\gamma}$$

$$\alpha = \frac{\pi}{4}$$

$$R = \mu$$

$$\text{ب) } \underline{\text{دعوى}} \Rightarrow \text{AB} \text{ جد} \Rightarrow |AB| = \alpha p = \frac{\pi}{p}$$

id) $\Rightarrow$ $\int \frac{1}{x} \cdot x \cdot 6 \cdot \tan x \Rightarrow \frac{1}{x} \cdot x \cdot 6 \cdot \frac{\sqrt{x}}{x} = 6\sqrt{x}$

$$\text{ب) } \frac{1}{Z} \Rightarrow \frac{1}{Z_{\text{مجموع}}} \rightarrow \frac{1}{\sqrt{a^2 + b^2 - 2ab \cos C}} = \frac{1}{\sqrt{\frac{9}{19} + \frac{25}{16} - 2 \times \frac{3}{\sqrt{19}} \times \frac{5}{4} \times \frac{1}{2}}} = \frac{1}{\sqrt{9}} = \frac{1}{3} \Rightarrow Z = 3 \Omega$$

$$A + 1\omega^0 = 1\Lambda^0$$

$$A = \frac{1}{2}$$

$$\text{قانون سینوس} = \frac{a}{\sin A} = \frac{b}{\sin B} \Rightarrow \frac{1d}{\frac{1}{\gamma}} = \frac{1a\sqrt{\gamma}}{\sin B} \Rightarrow \gamma = \frac{1a\sqrt{\gamma}}{\sin B} \Rightarrow \sin B = \frac{\sqrt{\gamma}}{\gamma}$$

$$C = |d_0 - Kd_1 - \dots - \alpha d_n|$$

پڑاوی کی فادہ رست سے لکھنا

$$\frac{\pi}{2} = 90^\circ : \text{برعکس ابروان}$$

$$10 \times \frac{\pi}{180} = \frac{V\pi}{18}$$

$$\tan(\pi - \alpha) = -\tan \alpha$$

$$\tan(\pi + \alpha) = +\tan \alpha$$

$$\tan(\pi - \alpha) = -\tan \alpha$$

$$\tanh(\gamma + \alpha) = \tanh \alpha$$

$$\frac{\tan(\pi - \alpha) + \tan(\pi + \alpha)}{\tan(\pi - \alpha) - \tan(\pi + \alpha)} = \frac{-\tan \alpha + \tan \alpha}{-\tan \alpha - (\tan \alpha)} = \frac{0}{-2 \tan \alpha} = 0$$

$$\frac{\pi}{17} \times \frac{110}{\pi} = 1d = a \quad \tan w = \frac{1}{a} \quad \tan(90 - 1d) = \cot 1d = \frac{1}{\tan 1d} = \frac{1}{a}$$

$$\tan 1d = \tan(110^\circ - 90^\circ) = -\tan 80^\circ = -\frac{1}{a}$$

$$\tan 1d = \tan(110^\circ - 1d) = -\tan w = -a$$

$$\tan 1d = \tan(110^\circ + 1d) = \tan 2d = \frac{1}{a}$$

$$\frac{\frac{1}{a} + (-\frac{1}{a})}{-\frac{1}{a} - \frac{1}{a}} = \frac{\frac{1}{a}}{-\frac{1+1}{a}} = -\frac{1}{2}$$

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

$$\frac{1}{\tan \alpha} + 1 = \frac{1}{\tan \alpha} - 1$$

$$-\tan \alpha = -1$$

$$\tan \alpha = 1$$

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

$$\frac{\frac{\sin \alpha}{\cos \alpha} - \frac{1}{\cos \alpha}}{\frac{\sin \alpha}{\cos \alpha} + \frac{1}{\cos \alpha}} = \frac{\tan \alpha - 1}{\tan \alpha + 1} = \frac{-1 - 1}{-1 + 1} = \frac{-2}{0}$$

$$\tan \alpha - 1 = \frac{1}{\tan \alpha} + 1$$

$$-\frac{1}{\tan \alpha} = \frac{1}{\tan \alpha}$$

$$\tan \alpha = -1$$

$$\cos(17^\circ) = \cos(\frac{17}{180} \pi) \Rightarrow \cos(\frac{\alpha}{180}) = \frac{1 + \cos \alpha}{2}$$

$$\cos 17^\circ = \sqrt{\frac{1 + \cos 34^\circ}{2}} \Rightarrow \cos 17^\circ = \sqrt{\frac{1 + \frac{1 + \cos 68^\circ}{2}}{2}} = \sqrt{\frac{1 + \frac{1 + \cos 68^\circ}{2}}{2}} = \sqrt{\frac{2 + 1 + \cos 68^\circ}{4}} = \sqrt{\frac{3 + \cos 68^\circ}{4}}$$

$$\cos 17^\circ = \frac{\sqrt{3 + \cos 68^\circ}}{2}$$

$$\sin(17^\circ) = \sin(\frac{17}{180} \pi) \Rightarrow \sin(\frac{\alpha}{180}) = \frac{1 - \cos \alpha}{2}$$

$$\sin 17^\circ = \sqrt{\frac{1 - \cos 34^\circ}{2}} = \sqrt{\frac{1 - \frac{1 + \cos 68^\circ}{2}}{2}} = \sqrt{\frac{1 - \frac{1 + \cos 68^\circ}{2}}{2}} = \sqrt{\frac{2 - 1 - \cos 68^\circ}{4}} = \sqrt{\frac{1 - \cos 68^\circ}{4}}$$

$$\sin 17^\circ = \frac{\sqrt{1 - \cos 68^\circ}}{2}$$

در اینجا می بینیم که فرمول های الف و ب دست یابد