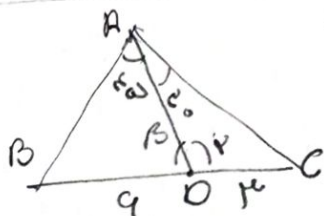


$$\tan \beta = \tan \alpha \cot \alpha \quad (\alpha + \beta = 90^\circ)$$

$$OA = r = 1 \Rightarrow T = 1 \rightarrow OB^2 = (OT)^2 + (TB)^2$$

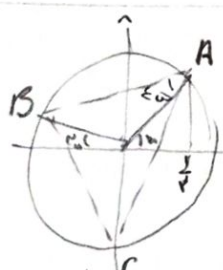
$$OB = \sqrt{1 + \cot^2 \alpha} \rightarrow OB = \frac{1}{\sin \alpha}$$

$$AB = OB - OA = \frac{1}{\sin \alpha} - 1 \quad \left(\frac{1}{\sin \alpha} \right)$$



$$\sin \alpha = \sin \beta \quad (\alpha + \beta = 180^\circ)$$

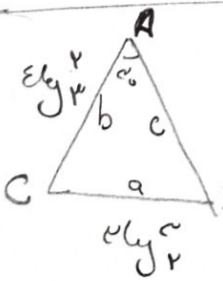
$$\frac{h}{\sin \alpha} = \frac{AC}{\sin \beta} \Rightarrow \frac{h}{\sin \alpha} = \frac{AB}{\sin \beta} \rightarrow \frac{AB}{AC} = \frac{h \sin \beta}{h \sin \alpha} = \frac{\sin \beta}{\sin \alpha}$$



$$\cos A = 1 \Rightarrow \cos C = 1 \Rightarrow AC = \sqrt{r^2 + r^2}, BC = \sqrt{r^2}$$

$$P = \frac{r + \sqrt{r^2 + r^2} + r\sqrt{r}}{r}$$

$$A = \frac{BC}{r} \Rightarrow A = 90^\circ \Rightarrow \sin A \times \frac{1}{r} \times AC \times AB = \sin \theta \rightarrow \frac{\sqrt{r}}{r} \times \frac{1}{r} \times \frac{\sqrt{r^2 + r^2}}{r} \times \sqrt{r} = \frac{r + \sqrt{r}}{r}$$



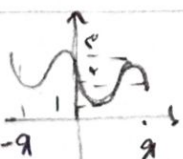
$$y_r = t \Rightarrow \cos = \sqrt{1 + t^2 + t^2} \Rightarrow \frac{q}{t} = 1 + t^2 + t^2 \Rightarrow C = \frac{b \sqrt{1 + t^2 + t^2}}{r}$$

$$\sin A = \frac{1}{r} \times t \times AB = \frac{bc}{r}$$

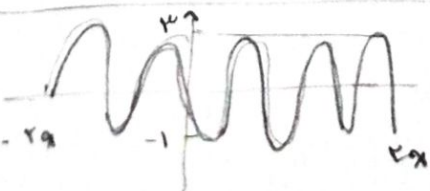
$$C = \frac{\sqrt{r^2 + t^2 + t^2}}{t} \Rightarrow \frac{bc}{r} \Rightarrow t = \frac{y_r}{r} \Rightarrow S = \sqrt{r^2 + t^2 + t^2} = \sqrt{r^2 + \left(\frac{y_r}{r}\right)^2 + \left(\frac{y_r}{r}\right)^2}$$

$$r \alpha = r + \sin(\alpha)(\cos r \alpha) \xrightarrow{q = \cos \alpha} \cos \alpha (\cos r \alpha) + \sin \alpha (\cos r \alpha)$$

$$\cos r \alpha = 1 \rightarrow r \alpha = q \rightarrow \frac{q}{r} = r \rightarrow \sin r \alpha = 0 \quad (\cos \alpha \sin \alpha)(\cos r \alpha)$$



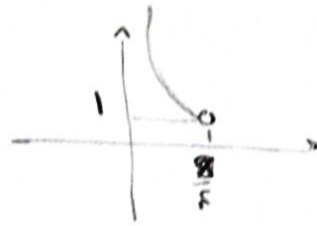
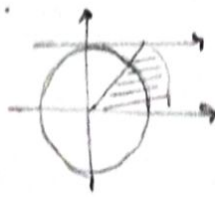
$$T = 2 \quad (\text{cell } - q)$$



$$T = 2 \quad (-)$$

$$\cos \alpha \quad 0 < \alpha < \frac{\pi}{2}$$

$$\sin \alpha \quad \alpha \in \mathbb{R}$$

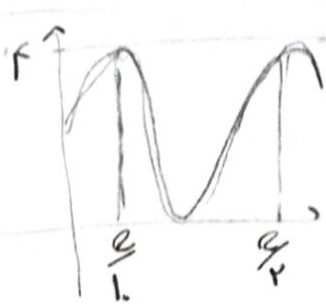


$\sigma, \omega, \rho, \mu$
- V



$$R \in [-1, 1]$$

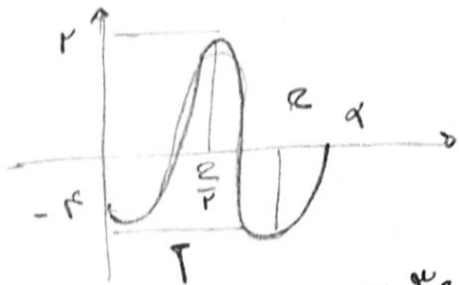
$$R_f \in [-1, +\infty)$$



$$y = a \cdot b \sin(\omega x) \cos(\phi x) \cos(\psi x) = a + \frac{b}{\omega} \sin(\omega x)$$

- A

$$\begin{aligned} T &= \frac{1}{f} = \frac{1}{\omega} \rightarrow C = \frac{\omega}{f} \\ a + \frac{b}{\omega} &\rightarrow \text{as } T \rightarrow \frac{b}{\omega} = T, b = 1 \\ a - \frac{b}{\omega} &\end{aligned} \quad \left. \begin{array}{l} \\ \\ \end{array} \right\} \frac{b\omega}{a} = \omega$$



$$a \cos b x + c$$

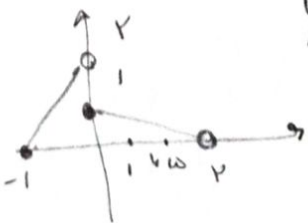
$$\left. \begin{array}{l} |a| + c \leq r \\ -|a| + c \leq -r \end{array} \right\} c \leq -|a|, a \leq \pm r$$

- 9

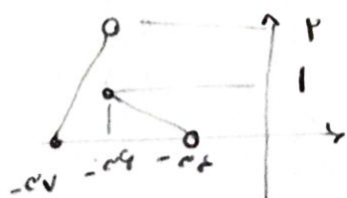
$$T, c, b, r$$

$$\begin{aligned} &\downarrow \\ &+ r \cdot \frac{1}{\omega} \\ &- r \cdot \frac{1}{\omega} \end{aligned}$$

$$- \pi \leq \varphi \leq \pi \rightarrow -\frac{1}{\mu} = \cos \varphi \rightarrow \tan \varphi = \sqrt{r}$$



$$y = -\frac{1}{x} + 1 \quad x = \frac{y}{y-1} \rightarrow y = \frac{1}{1-y}$$



$$y = (-\omega, \omega) \rightarrow y(4\omega) = \frac{1}{\omega}$$

- 1.