

$$\begin{aligned} \rightarrow 0 &= x' - \omega x + \gamma = 0 & S &= -\frac{b}{a}, \omega \\ \rightarrow 0 &= \beta' - \omega \beta + \gamma = 0 \rightarrow \beta' & &= \omega \beta - \gamma \end{aligned} \quad (1)$$

$$\frac{f(x + (\beta')^T \times \beta)}{\omega \beta^T} = \frac{f(x + (\omega \beta - \gamma)^T \times \beta)}{\omega (\omega \beta - \gamma)} = \frac{f(x + (\gamma \omega \beta^T + \gamma - \gamma \omega \beta) \beta)}{\gamma \omega \beta - 1}$$

$$\frac{f(x + \gamma \omega \beta^T + \gamma - \gamma \omega \beta) \beta}{\gamma \omega \beta - 1} = \frac{f(x + \beta) + \gamma \omega \beta^T - \gamma \omega \beta}{\gamma \omega \beta - 1} = \frac{\gamma + \gamma \omega \beta^T - \gamma \omega \beta}{\gamma \omega \beta - 1}$$

$$\frac{f + \omega (\omega \beta - \gamma) \beta - f(\omega \beta - \gamma)}{\omega \beta - \gamma} = \frac{f + \gamma \omega \beta^T - 1 \omega \beta - \gamma \omega \beta + \gamma}{\omega \beta - \gamma} = \frac{1 + \gamma \omega \beta^T - \gamma \omega \beta}{\omega \beta - \gamma}$$

$$\frac{\gamma \omega \beta - \gamma}{\omega \beta - \gamma} = 1 \quad (19)$$

دو نقطه هم عرض هستند پس α محور تقارن از میانگین این دو نقطه بدست می آید.

$$\frac{3 - 1.01}{2} = \frac{3}{4}$$

میانگین یعنی جمع دو عدد تقسیم بر دو

و آخر α که ریشه های معادله هستند را هم میانگین بگیریم α محور تقارن همین $(\frac{3}{4})$ بدست می آید پس

$$S = \frac{3}{4} \times \begin{bmatrix} 3 \\ 2 \end{bmatrix}$$

$$\alpha \cdot \beta = \frac{c}{a} k \quad (20)$$

$$\left. \begin{aligned} \alpha + \beta &= \frac{c}{a} k \\ \alpha + \beta &= \frac{b}{a} - \gamma k \end{aligned} \right\} \rightarrow \begin{aligned} \alpha + \beta &= \frac{c}{a} k \\ \alpha + \beta &= -\gamma k \end{aligned}$$

$$\gamma \alpha = \frac{c}{a} k \rightarrow \boxed{\alpha = \frac{c}{\gamma a} k} \quad \boxed{\beta = \frac{b - \omega k}{\gamma}} \Rightarrow \alpha \times \beta = \frac{a}{9} k^2$$

$$P = \frac{c}{a} = \frac{a}{9} k^2 \rightarrow k^2 = 9$$

$$\frac{k^2}{\gamma} = \begin{bmatrix} 9 \\ \gamma \end{bmatrix} = \begin{bmatrix} 9 \\ 1 \end{bmatrix}$$

نقاط A و B در معص و معصین = طول رأس سر (4)

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

نقطه: $(-1, 1) \rightarrow y = a(x+1)^r + 1 \Rightarrow y = ax^r + \frac{r}{a}x + a + 1$

$$a^r + b^r = a \rightarrow 5^r - 2^r = a \rightarrow r - \frac{r(a+r)}{a} = a$$

$$S = \frac{-b}{a} = \frac{-ra}{a} = -r \quad -1 = \frac{ra+r}{a} \rightarrow -a = ra+r \rightarrow 3a = -r$$

$$P = \frac{c}{a} = \frac{a+1}{a} \quad C = \frac{-r}{r} + 1 = \left(\frac{1}{r}\right)$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} \rightarrow \frac{-a \pm \sqrt{ra+em}}{-r} < \frac{9}{r} \Rightarrow$$

$$0 \leq ra+em < 19 \Rightarrow \frac{ra+em}{100} < \frac{19}{100} \Rightarrow m = \frac{-r, -r, -a, -r}{\text{عدد}}$$

$$\frac{-a}{2a} = \frac{r}{2} \rightarrow -a = ra \rightarrow fac - 1a = b^r \Rightarrow fa(c-r) = b^r \Rightarrow$$

$$r_0 m^r - 12m - 188 = 0 \Rightarrow 4m^r - 3m - 47 = 0 \Rightarrow m^r - 3m - 11.75 = 0 \Rightarrow$$

$$(m-3)(m+11.75) = 0$$

$$\sqrt{m=3}$$

$$m = \frac{-12}{2 \times 4} = -1.5$$

چون $a > 0$ ،
مجموع m در راست پس

$$y = 3x^r - 12x + 18 \Rightarrow \frac{-b}{2a} = \frac{r}{2} \Rightarrow \boxed{m=3}$$

$$a^r = a^b$$

$$a^r = P \Rightarrow a^r = \frac{5}{a} \rightarrow a^r = ra - 1 \rightarrow a^r - ra + 1 = 0$$

$$(a-1)^r = 0$$

$$\boxed{a=1}$$

از خواص داده شده

$$m^2 - Vm^2 - \omega^2 = 0 \rightarrow t^2 - Vt - \omega^2 = 0 \Rightarrow t = \frac{V \pm \sqrt{V^2 + 4\omega^2}}{2}$$

$$m_1, m_2 = \pm \frac{\sqrt{V^2 + 4\omega^2}}{2}$$

$$m_1^2 = \frac{V + \sqrt{V^2 + 4\omega^2}}{2} \quad m_2^2 = \frac{V - \sqrt{V^2 + 4\omega^2}}{2}$$

چون اینها مقادیر اند

$$P_2 = \frac{\sqrt{(V + \sqrt{V^2 + 4\omega^2})^2}}{2} = - \frac{\sqrt{118 + 18\sqrt{549}}}{2} \Rightarrow \frac{\sqrt{118 + 18\sqrt{549}}}{2} = \sqrt{29 + 4.5\sqrt{549}}$$

⑨ - معادلات حل

$$E_{KT} = -\frac{b}{r_a} \rightarrow \frac{f}{rk} = \frac{r}{k}$$

$$\frac{d}{dr} \rightarrow \frac{-2rk - 14}{rk} \rightarrow \frac{(-2k - 14)}{rk} = \frac{-2k - 14}{rk} \xrightarrow{\text{جایگذاری}} \frac{-9 \times 2 - 14}{2} = \frac{-12 - 14}{2} = -13$$

$$\frac{-2k - 14}{rk} = \frac{-14}{rk} - 14 \Rightarrow \frac{(-2k - 14)}{rk} = \frac{(-14 - 2k)}{rk} \Rightarrow -k = -14 \Rightarrow k = 14$$

(10)

$$-m^2 + m(n+1) = -m - n \Rightarrow m^2 - m(n+1) - m - 1 \geq 0 \Rightarrow m^2 - n(m+1) - m - 1$$

$$\Delta < 0 \Rightarrow b^2 - 4ac < 0 \Rightarrow m^2 + 1 + 2m < -8m^2 - 8m \Rightarrow 9m^2 + 4m + 1 < 0$$

$$\begin{matrix} (-1) & (m+1) & (4m+1) < 0 \\ & \searrow & \swarrow \\ & \left(\frac{1}{9}\right) & \end{matrix}$$

$$\frac{-1 \pm \sqrt{1 - 4 \cdot \frac{1}{9}}}{2 \cdot \frac{1}{9}} = \left(-1 \pm \frac{1}{3}\right)$$

زهراسادات صبا