

بدین انتقال $\left| \frac{v}{\omega} \right| \leq \frac{r}{\omega} \Rightarrow \frac{v}{\omega} \leq \frac{r}{\omega} \Rightarrow v \leq r$ است. به اشتباه می‌نویسند.

$$-\frac{1}{r} \left(n - \frac{v}{\omega} \right)^2 + \frac{2}{\omega} \left(n - \frac{v}{\omega} \right) + 1 + \frac{r}{\omega} = -\frac{1}{r} n^2 - \frac{n}{\omega} + \frac{2r}{\omega} + \frac{2n}{\omega} - \frac{r}{\omega} + \frac{v}{\omega}$$

$$= -\frac{1}{r} n^2 + \frac{r}{\omega} n - \frac{v}{\omega} = 0 \Rightarrow -n^2 + \omega n - v = 0$$

$$n^2 - \omega n + v = 0 \quad (n-1)(n-v) = 0 \quad \begin{matrix} n=1 \\ n=v \end{matrix}$$

مثلاً $\begin{pmatrix} 1 \\ r \end{pmatrix} \xrightarrow{x(r)} \begin{pmatrix} 1 \\ -1 \end{pmatrix} \xrightarrow{+1} \begin{pmatrix} 1 \\ -v \end{pmatrix}$ $\begin{pmatrix} 1 \\ r \end{pmatrix} \xrightarrow{x(r)} \begin{pmatrix} 1 \\ -1 \end{pmatrix} \xrightarrow{+1} \begin{pmatrix} 1 \\ -v \end{pmatrix}$

$\alpha\beta = \frac{v}{r}$ (2)

$a \leq n-1 \leq r \Rightarrow a+1 \leq n \leq r$ $Df(n-1) = (a+1, a]$

$-1 \leq n+1 \leq b \Rightarrow -2 \leq n \leq b-1$ $Dg(n+1) = [-r, b-1]$

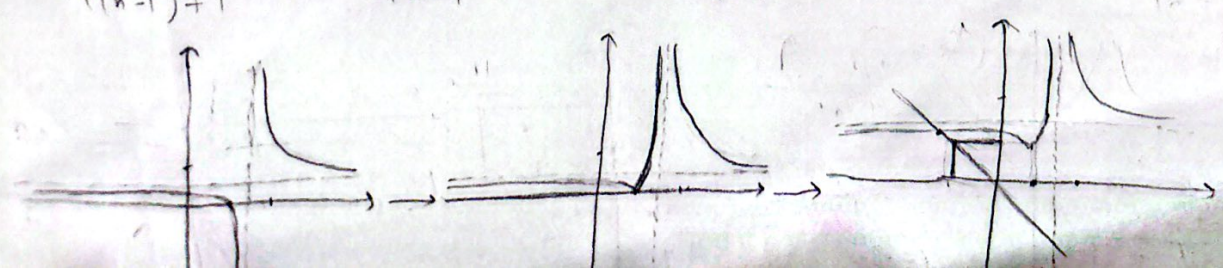
$(a+1, a] \cap [-r, b-1] = (-r, a) \Rightarrow b-1 \geq a \Rightarrow b \geq a+1$

$Df\left(\frac{n}{r}+1\right) = [-r, \omega]$ $-r \leq n \leq \omega \Rightarrow \frac{1}{r} \leq \frac{n}{r} \leq \frac{\omega}{r} \Rightarrow -\frac{1}{r} \leq \frac{n}{r} + 1 \leq \frac{\omega}{r} + 1$ (1)

$R_f = [1, r]$ $-1 \leq r \leq r$ $-\omega \leq r - r \leq 1$ $\Rightarrow 0 \leq |r - r| \leq \omega$

$\sqrt{0 \leq |r - r| \leq \omega}$ $R' = [0, \sqrt{\omega}]$

$\left| \frac{n-r+1}{r(n-r)+1} \right| + 1 = \left| \frac{n-1}{r(n-r)} \right| + 1 \Rightarrow \left| \frac{n-1}{r(n-r)} \right| + 1 + n \leq 0 \Rightarrow \left| \frac{n-1}{r(n-r)} \right| + 1 < -n$ (2)



محل برقرار در ناحیه دهم

$$\left| \frac{n-1}{r_n - r} \right| + 1 = -n \quad \frac{n < 1}{n < \frac{r}{r}} \rightarrow \frac{n-1}{r_n - r} + n = -1$$

$$\frac{n-1 + r_n^2 - r_n}{r_n - r} = 1$$

$$\frac{r_n^2 - r_n - 1}{r_n - r} = 1$$

$$r_n^2 - r_n - 1 = r_n - r$$

$$r_n^2 = 2r_n - r \quad n_2 \pm \sqrt{r}$$

$$-\sqrt{r} \checkmark$$

$$(-\infty, -\sqrt{r}) \checkmark$$