

$$f'(u) = f(u - \frac{1}{\omega}) + \frac{FV}{r\omega}$$

$$f'(\frac{r}{\omega}) = \frac{r\Delta}{r\omega}$$

$$f'(\frac{r}{\omega}) = f(\frac{r}{\omega} - \frac{1}{\omega}) + \frac{FV}{r\omega} = r$$

$$f'(\frac{r}{\omega}) = r$$

$$A \Big|_{\frac{r}{\omega}}^{\frac{r}{\omega}}$$

$$A \Big|_{r}^{\frac{r}{\omega}}$$

$$x = \frac{-\frac{r}{\omega}}{-r(\frac{1}{r})} = \frac{r}{\omega}$$

$$y_{max} = \frac{r\Delta}{r\omega}$$

$$l = u \leftarrow \begin{matrix} -\frac{1}{r} \left(u - \frac{1}{\omega} \right) + \frac{r}{\omega} \left(u - \frac{1}{\omega} \right) + 1 + \frac{FV}{r\omega} = 0 \\ v = u \leftarrow f(u - \frac{1}{\omega}) + \frac{FV}{r\omega} = 0 \end{matrix}$$

$$f(u - \frac{1}{\omega}) + \frac{FV}{r\omega} = 0 \leftarrow f'(u) = 0$$

$$KB = -\frac{1}{r}x - v = \frac{v}{r}$$

$$1 - rF\left(r\left(-\frac{1}{r}\right) + r\right)$$

$$1 - \Delta = -v$$

$$A\left(-\frac{1}{r}, -v\right)$$

$$r_m + r = 1$$

$$u = -\frac{1}{r}$$

$$f(u)_{(1,F)} : (1,F)$$

$$f(1) = F$$

$$r - \sqrt{r(u+1)} \rightarrow r - \sqrt{r_m + r} \rightarrow \sqrt{r_m + r} - r + \omega \rightarrow \sqrt{r_m + r} + r$$

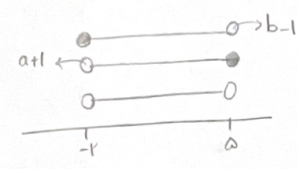
$$\sqrt{r_m + r} + r = \frac{v}{r}$$

$$\sqrt{r_m + r} = \frac{r}{r}$$

$$r_m + r = \frac{r}{r}$$

$$r_m = \frac{1}{r}$$

$$u = \frac{1}{r}$$



$$a - b = -r - (-r) = -9$$

$$a+1 = -r \quad a = -r$$

$$b-1 = \omega \quad b = \omega$$

$$-1 \leq u_3 < b$$

$$a < u_f \leq F$$

$$-r \leq u_{(3+1)} < b-1$$

$$a+1 < u_{(f-1)} \leq \omega$$

$$\cap$$

$$(-r, \omega)$$

$u = -r$	$y = 0$	$f(-\frac{1}{r}) = 0$
$u = -r$	$y = 1$	$f(0) = 1$
$u = -1$	$y = 0$	$f(\frac{1}{r}) = 0$
$u = 0$	$y = -1$	$f(1) = -1$
$u = 1$	$y = 0$	$f(\frac{r}{r}) = 0$
$u = r$	$y = r$	$f(\frac{\omega}{r}) = r$
$u = \omega$	$y = 0$	$f(\frac{r}{r}) = 0$

$$D_{y_r} = \left[-\frac{1}{r}, \frac{v}{r}\right]$$

$$u = -\frac{1}{r} \quad y_r = \sqrt{|r(0) - r|} = \sqrt{r}$$

$$u = 0 \quad y_r = \sqrt{|r(1) - r|} = \sqrt{1} = 1$$

$$u = \frac{1}{r} \quad y_r = \sqrt{|r(0) - r|} = \sqrt{r}$$

$$u = 1 \quad y_r = \sqrt{|r(-1) - r|} = \sqrt{\omega}$$

$$u = \frac{r}{r} \quad y_r = \sqrt{|r(0) - r|} = 1$$

$$u = \frac{\omega}{r} \quad y_r = \sqrt{|r(r) - r|} = 1$$

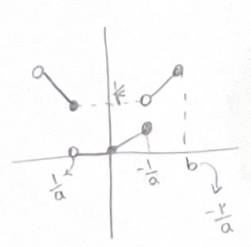
$$u = \frac{v}{r} \quad y_r = \sqrt{|r(0) - r|} = 1$$

$$R_{y_r} = [1, \sqrt{\omega}]$$

$$y = \frac{u}{a} [an]$$

$$0 \leq u < \frac{1}{a} \xrightarrow{an} \frac{1}{a} < u \leq 0$$

$$\frac{u}{a} \quad \frac{1}{a} \leq u < \frac{r}{a} \xrightarrow{an} \frac{r}{a} < u \leq \frac{1}{a}$$



$$-\frac{u}{a} \quad -\frac{1}{a} \leq u < 0 \xrightarrow{an} 0 < u \leq -\frac{1}{a}$$

$$-\frac{ru}{a} \quad \frac{r}{a} \leq u < -\frac{1}{a} \xrightarrow{an} -\frac{1}{a} < u \leq -\frac{r}{a}$$

$$f(-\frac{1}{a}) = -\frac{u}{a} = \frac{+1/a}{a} = \frac{1}{a^2} = \frac{1}{r}$$

$$a = \pm r \xrightarrow{a < 0} a = -r$$

$$b = \frac{r}{-r} = 1$$

$$b - a = 1 - (-r) = r$$

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