

$$x_T = \frac{-\omega + V}{\epsilon} = \frac{1}{\gamma}$$

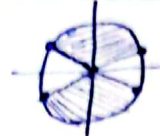
$$D_f = \mathbb{R} - \{1\}$$

$$D_f \subset \mathbb{R} = \{-3, 0, 2, \infty\}$$

$$D_f = (-\infty, -1]$$

$$D_f = \left[\frac{1}{r}, +\infty\right)$$

$1 - r \sin^2 \alpha > 0$
 $-r \sin^2 \alpha \geq -1$
 $r \sin^2 \alpha < 1$
 $\sin^2 \alpha \leq \frac{1}{r}$
 $-\frac{1}{r} < \sin \alpha \leq \frac{1}{r}$

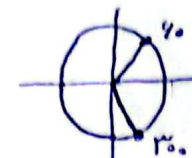


$D_f = [rK\pi + \frac{\pi}{4}, rK\pi + \frac{3\pi}{4}] \cup [rK\pi + \frac{5\pi}{4}, rK\pi + \frac{7\pi}{4}]$

$\frac{\cos t}{\tan} + \frac{1}{1} = \frac{\cos}{\frac{\sin}{\cos}} + 1 = \frac{\cos^2}{\sin} + 1$
 $\frac{\cos^2}{\sin^2} + 1 = \frac{\cos^2 + \sin^2}{\sin^2} = \frac{1}{\sin^2}$
 $\sin^2 \neq 0$
 $\sin \neq 0$



$1 - r \cos \alpha \geq 0$
 $r \cos \alpha \leq 1$
 $\cos \alpha \leq \frac{1}{r}$
 $D_f = [rK\pi + \frac{\pi}{r}, rK\pi + \frac{2\pi}{r}]$



$r \sin \alpha - 1 \geq 0$
 $r \sin \alpha \geq 1$
 $\sin \alpha \geq \frac{1}{r}$



$D_f = [rK\pi + \frac{\pi}{4}, rK\pi + \frac{3\pi}{4}]$

$D_f = [-r, -r] \cup [-1, 0]$
 $-1 < \sqrt{\alpha - r\alpha} \leq 1$
 $\alpha - r\alpha \geq 0$
 $r\alpha \leq \alpha$
 $\alpha \leq r/\alpha$
 $\alpha \leq r$
 $D_f = [r, r/\alpha]$

$\alpha^2 + r\alpha + 1 \leq 1$
 $\alpha^2 + r\alpha \leq 0$
 $\alpha(\alpha + r) \leq 0$
 $\alpha \geq 0$
 $\alpha \leq -r$
 $D_f = [-r, 0]$

$\log_r \frac{1 - \log_r \alpha}{r}$
 $\alpha > 0$
 $1 - \log_r \alpha > 0$
 $\log_r \alpha < 1$
 $\alpha < \frac{1}{r}$
 $D_f = (\frac{1}{r}, +\infty)$

$\log_r (1 - \log_r \alpha)$
 $\alpha > 0$
 $1 - \log_r \alpha > 0$
 $\log_r \alpha < 1$
 $\alpha < r$
 $D_f = (0, r)$

$(\frac{r\alpha + d}{r\alpha + r})! \rightarrow \frac{r\alpha + d}{r\alpha + r} \in \mathbb{W}$
 $r\alpha + d = r\alpha W + \epsilon W$
 $r\alpha - r\alpha W = \epsilon W - d$
 $\alpha(r - rW) = rW - d$
 $\alpha = \frac{rW - d}{r - rW}$
 $D_f = \{x/x = \frac{rK-d}{r-rW} = K\epsilon W\}$

$r^{\alpha} - \alpha^r$
 $- \lambda \geq 0$
 $r^{\alpha} - \alpha^r \geq \lambda$
 $\alpha - \alpha^r \geq r$
 $-\alpha^r + r\alpha - r \geq 0$
 $D_f = [1, r]$