$$w_{i}^{h} - > w_{i}^{*} = 2s h - > \infty$$

$$w_{i}^{h} - w_{i}^{*} = w_{i}^{\circ} (1 - d\lambda_{i})^{h}$$

$$v_{i}^{h} - w_{i}^{\circ} = w_{i}^{\circ} (1 - d\lambda_{i$$

min mex 2/11-4×1/11-4×1/5

$$||-d\lambda_{\perp}|=||-d\lambda_{\perp}||$$

$$1 - d\lambda_1 = d\lambda_1 - 1$$

$$\int_{0}^{4} = \frac{2}{\lambda_{1} + \lambda_{1}}$$

learning rate L Which achieves the faster rate

$$rzte(d^*) = 1 - \frac{2}{\lambda_1 + \lambda_2} = \frac{\lambda_2 - \lambda_2}{\lambda_1 + \lambda_2} = \frac{\lambda_2 -$$

$$r2fe(1) = \frac{R-1}{h+1}$$

$$\begin{cases} \chi^2 & \text{for } |\chi| \leq \delta \\ \ln |x| & \text{for } \chi > \delta \neq 0 \end{cases}$$

$$\begin{cases} \ln |x| & \text{for } \chi > \delta \neq 0 \end{cases}$$

Conditions to setisfy:

$$\frac{1}{2} \left| \frac{1}{x} \left(\frac{1}{x} \right) \right|_{x=\delta} = \frac{1}{2\delta}$$

Frm (1)
$$h = 28 = 1$$
 $la(x) = 28x + c$
From (1) $la(8) = 8^2 = 1$ $28^2 + c = 8^2$
 $c = -8^2$
 $= 7 la(x) = 28x - 8^2$
 $la(x) = la(x)$
 $la(x) = la(x)$

Phober (x) = $\begin{cases} 2x & \text{if } |x| = 5 \\ 2sgn(x) & \text{else} \end{cases}$ Phober (x) = $\begin{cases} 2 & \text{if } |x| \le 5 \\ 0 & \text{else} \end{cases}$ The property of the second states of the s