$$P.207.6.1 | pix | y = \frac{\ln \chi}{\chi}, (0,+\infty)$$

$$2 \sin^{2/2} - 10 \psi.$$

$$y' = \frac{\frac{1}{\chi} \cdot \chi - 1 \cdot \ln \chi}{\chi^{2}} = \frac{1 \cdot \ln \chi}{\chi^{2}}; \quad | y' = 0, \quad | \chi_{1} | 1 - \ln \chi = 0, \quad | \chi = e.$$

$$y'' = -\frac{\frac{1}{\chi} \cdot \chi^{2} - (1 - \ln \chi) \cdot 2\chi}{\chi^{4}} = \frac{2 \ln \chi - 3\chi}{\chi^{4}} = \frac{2 \ln \chi - 3}{\chi^{3}}$$

$$| y'' = 0, \quad | \chi_{1} | 2 \ln \chi - 3 = 0, \quad | \chi = e^{\frac{3}{2}}.$$

$$| \alpha = \lim_{\chi \to +00} \frac{f(x)}{\chi} = \lim_{\chi \to +00} \frac{\ln \chi}{\chi} = \lim_{\chi \to +00} \frac{1}{\chi} = 0.$$

$$| \lim_{\chi \to 0} f(x) = \lim_{\chi \to +00} \frac{1}{\chi} = \lim_{\chi \to +00} \frac{1}{\chi} = 0.$$

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X	(0,8)	۴	$(e, e^{\frac{3}{2}})$	§ 23 3∂	(e ² , +10)	
$f'(\alpha)$	+	0		_		
f'cx)	-	-	-	U	+	y
fex;	7	拟大 (e, 言)	1	据是 333 20,20		
				·		$(e, \stackrel{\leftarrow}{e})$
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