





2(+y = #0 +(x,y) = $x^1 + y^2 = 0$ 4=K2 $\begin{array}{c|c} K & \Rightarrow & \text{finfly} \\ \hline ++ & \Rightarrow & \text{finfly} \\ \hline 1+ & & & \\ \hline & &$ $f(x, kx) = \frac{kx}{x^2(1+k^2)} =$ $2-o\overline{u}$ cnoco \overline{u} : $f(\frac{1}{n},\frac{1}{n}) =$ x lim (lim f(x,y))
y=y, x=x0 Uged: asing, y to f(x,y)= $x \sin t = \lim_{y \to 0} 0 = 0$ lim lim ocsinty noemoprioro pegera) f: R > U (xo, yo)

 $u = \sum_{y} v + y = v + y = v + y = \sum_{y} v + y = v +$ Illorga limfly)=A $\lim_{y \to y_0} \lim_{x \to x_0} f(x, y) = \lim_{x \to x_0} f(x, y) \\
 \lim_{x \to x_0} f(x, y) = \lim_{x \to x_0} f(x, y)$ Dgus $Y \in ZO = US_1(y_0) : |f(x,y) - A| < E| x > x_0 => |f(y) - f| < gus y \in US_1(y_0) S_2 = mind S, S_2 f | x > x_0 => |f(y) - f| < gus y < US_2(y_0) S_2 = mind S, S_2 f | x > x_0 => |f(y) - f| < gus y <$ Th (0 boernerum megena 6 november roonguraman) $|f(x_{orp}\cos\varphi,y_{o}+p\sin\varphi)-A| \leq F(p), rge F(p) \rightarrow 0$ Thorga $\lim_{x \to x_0} f(x,y) = A$ sinf COS -

