





4. liz (7)/lz((7)/ (2)  $f(x,y) = \frac{x^4 + y^3}{x^4 + y^4}$  $l_{iz}=l_{im}$   $l_{im}$   $f(x_iy)$  = 1. lz = lin (lin f(x,y)) = lin + (x)  $C = \lim_{x \to y} P(x, y) = \lim_{x \to y} \frac{x}{x} + (\max_{x})^{3} + (\max_{x})^{3}$  $\frac{1}{x^{2}(1+m^{2})}$   $\frac{1}{x^{2}}$   $\frac{1}{$ 7. lui Schwarz Daca una dintre derivabele parfide mixte e continua într-un punct at.  $\frac{2}{2}$  (x,y) =  $\frac{2}{3}$  (x,y)  $\frac{2}{3}$  (x,y) =  $\frac{2}{3}$  (x,y)  $f(x,y) = \int_{x^2+y^4}^{x^2+y^3} (x_1y) \neq (0,0)$ ) (o, o) (o, o)  $\lim_{(x,y)\to(0,0)} f(x,y) = 0.$ 

+ w (x,y) / (x-0)2+(y-0)2 f(0,0)=0 Df(0,0)= lin-f(x,0)-f(0,0)= lin-0-0-0 0x (0,0)= lin-f(x,0)-f(0,0)= lin-0-0-0 (x,y)->(0,0) w(x,y)=0  $= \frac{xy^{\frac{3}{2}}}{2(x,y)\gamma(0,0)}$