Muomeombou. 6/3/24 Specier: Munochezriar Och. 4-x chazuar docugobancesnocmu Rougobaneus Comero & R' naz-ce ma co zuarenualeu de R {an = (an, an, ... on)} Ong: npequou nouegoba merenocima {OCx}.

Maz-a maker a E R, uno VE-0 INEM PK VK-N=> and CE(a)

Eun Flim ax = a, mo nou {a, 3 Maz-ca caogregação, l npomuluou Cuyare - pacrogagação Sau Bre ymbernigena ga rue cobbir noce. beginn u ga Tregreuw Sycmb a= (a:..a) ER

(a,..., x, ) ER, KEW 3 Comanue pyun neeneuman Opp Tycme DER, Ecu Vell(x, xx2)
no peromenous zanong L normalieur
b coombencabue () u=2(u) c R, mo

Lor n reperensen x, xn  $A: \mathcal{D} \rightarrow \mathcal{R}, \mathcal{D} \in \mathcal{R}'$ a un-lo Duaz-a ou on onpequence, a un-lo E={u a R I u=2 m + Me D3 - ou zuarenne Ecu m=1, mo op-que d'uaz-ce Charegnesi, a ecu m>1, mo -вектор ф-дии. B cignae m>1 gp-gue u= L(u) cumem come gamecana l cuez buge S(M) = (S.(M), S.(M). Sn(M), ye MEDCR, Si: D-R-cnavyma Унизии в. М наз-ся координативши op-quelle.

Opp: ynagnerou op-yna U = S(U) haz-ce elmonceombo  $\Gamma = \{(u,u) = (\alpha, \alpha, u) \in \mathbb{R}^n \times \mathbb{R}^n\}$ u= S(ill) cle D3 Der 3=L(x,y) Graguer I==  $\{(x,y,z) \in R \times R | z = L(x,y) \}$ graguer I glei-ce relepancement Trump: naumu our opp D 90-gru a) 3 = ln (g - 2 2 2x)  $2) = \{(x, y) | y - x + 2x > 0 \}$  $y > 20^{2} - 2x$   $y = x^{2} - 2a$   $y = (x - 1)^{2} + 1$ 

6 3 = arcsin &  $\mathcal{D} = \{(2,y) \in \mathbb{R}^{n} | -1 \leq \frac{y}{x} \leq 1, x \neq 0\}$ -2 ≤ y ≤ X Opp Munui ypoblix op-yn 3 = f(x,y)  $f(x,y) = C, C \in \mathbb{R}$ .

a = f(a, y, y) may-a nobeprincement Lezauna grabu, f(2, g, x)= C, C = 2 Opungen 3 = 00° + y -29 Zc = { (2, y) & R / 2 + y = 2y = C; C= con 92 2+ y 2- 2y + 1= C+1 2 2+ 19-11= (VC+1)2 C+1 >0 => C>-1 C=-1 Z\_, = 8(0,1)3 C>-1 Lc-Oxp-Cb pay TCH

Пример манти повержити уповне 3 = 2° + 9° - 3° Пс = { (2,9,2) с R / 2° + 9° - 5° = С 3 To = { (x, y, 3) | x + y = 3 3 DC = \( (\alpha, \g, 3) / \alpha^4 + 1 2 -2 -13 c>0 olc-gognowenen (9) Tpeger gzynkynn. Olyena DCR-our onn opym. 3 = L(x,y) ACD, Mo EA (Mo-npegerouse () grea of)

Orge (no Jenne) Euro a ER maza npegeriou opyru z = L(x, y) no demonwenty A & mouse Mo(x, y.) ecuu gie H nociego bieneleiorina mouen Ella (xr. yn)3 CA: Minio  $=>g_n=f(U_n)\longrightarrow \alpha$ Onp (no house). There ack naza npegeron grynn 3 - L(2, g) no elle-by H. b () Mo(2, g,) leur V & >0 Fo(E, Mo) >0: Ville A: 0<p(MM)<5=>1+(M)-a1.2E Doogh.  $\alpha = \lim_{A} \int (M) = \lim_{A \to \infty} \int (A,g)$ Com A = D, mo njegu no un-by A maz-ce mocmo nneguou go-zun. Saueranne Du g = L(X)

a+ = lim L(X) = lim L(X)

x+1 X+10

 $\alpha_{-} = \lim_{z \to z_0 - 0} \mathcal{L}(z) = \lim_{z \to z_0} \mathcal{L}(z)$  $A + = (x_0, x_0 + \delta)$  $A = (\alpha_o - \delta, \alpha_o)$ 0 >0 Gruerames: Ecca I lim Sall) - a no Mallo I lim dalle a VACD 2) Ecu = 1, 1 & D: light Shift tim delle, mo I cond (U)

un-lo

un-lo Opumen:  $S(x,y) = \int \frac{\alpha^2 - y^2}{2^2 \cdot y^2} = \int \frac{\alpha^2 - y$ A lim scu emo

A = { (2,y)/y=kxy) = lim 2 = g 2 x+0 2 4 5 1 lim 2+0 y+0 Pin 1- 5.