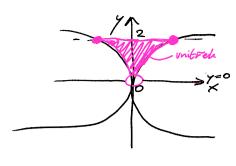
$M: 0 < y \leq Z \quad \Lambda \quad -y^2 \leq x \leq g^2$

Urcete unitach, branice a uzaver

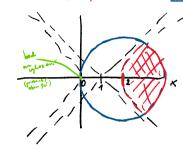


unitrel M: H: Ocycz1 -ycxcy2

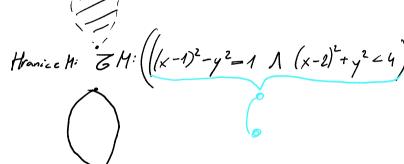
hranice $M: \partial M: (0 \leq y \leq 2 \Lambda (x = y^2)) V(y = 2 \Lambda - y^2 = x \leq y^2)$



PE: M: (x-1) - y2 > 1 1 (x-2)2+y2 = 4



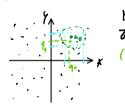
Vartrela H: H°: (x-1)2-y2 > 1 1 (x-2)2+y2 < 4



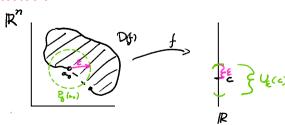
Hranice H: GM: ((x-1)2-y2=1 1 (x-2)2+y2-4) V ((x2-2)2+y2=4 1 (x-1)2-y2≥1) \ {60,0}

Uzerer M' $M: ((x-1)^2-y^2 \ge 1 \ 1 \ (x-2)^2+y^2 \le 4) \setminus \xi(0,0)$





LIMITY



Chaeme, aly 4E>0 PE(ao) 1 Des, + & (tj. or je hromadny book mnoziny Des)

The problem (x,y) = (x,y) (x,y) = (

 $h(y) = f(\theta_1 y) = \frac{0 \cdot y}{0 \cdot y} = -1 - \frac{\lim_{y \to 0} h(y)}{y \neq 0} = -1$

 $\int_{\mathcal{H}} (x, hx) = \frac{(x-hx)^2}{x+hx} = \frac{x^2(1-h)^2}{x(1+h)} = x \cdot \frac{(1-h)^2}{1+h} \xrightarrow{\text{K-10}} 0$ $V = \frac{(x-hx)^2}{x+hx} = \frac{x^2(1-h)^2}{x(1+h)} = x \cdot \frac{(1-h)^2}{1+h} \xrightarrow{\text{K-10}} 0$ $V = \frac{(x-hx)^2}{x+hx} = \frac{(x-hx)^2}{x(1+h)} = x \cdot \frac{(1-h)^2}{1+h} \xrightarrow{\text{K-10}} 0$ $V = \frac{(x-hx)^2}{x+hx} = \frac{(x-hx)^2}{x(1+h)} = x \cdot \frac{(1-h)^2}{1+h} \xrightarrow{\text{K-10}} 0$ $V = \frac{(x-hx)^2}{x+hx} = \frac{(x-hx)^2}{x(1+h)} = x \cdot \frac{(1-h)^2}{1+h} \xrightarrow{\text{K-10}} 0$ $V = \frac{(x-hx)^2}{x+hx} = \frac{(x-hx)^2}{x(1+h)} = x \cdot \frac{(1-h)^2}{1+h} \xrightarrow{\text{K-10}} 0$

Zhusme priblizeni po primce y=kx, 67-1

$$f(x, hx) = \frac{(x-hx)^2}{x+hx} = \frac{x^2(1-h)^2}{x(1+h)} = x \cdot \frac{(1-h)^2}{1+h} \xrightarrow{K\to 0} 0$$

Writerium neexistence (honeine) limity

Necht $M = \mathbb{R}^n$ je bahové množíne, že: (výsetrjeme lim h(a))

· fa = M ha + 0 1 ga + 0

· fee hag jeen spojité na néjahéta oholi (le (ao) bodu ao

· ~ eM

Pah honeand Im has neexistinge