

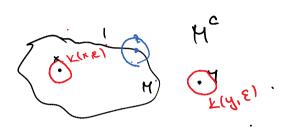
$$2 = (1, 0, 0)$$

$$e_{1} = (0, 1, 0)$$

$$e_{3} = (0, 0, 1)$$

$$||e_{1}|| = \sqrt{1^{2} + 0^{2} + 0^{2}} = 1$$

$$d(e_{1}, e_{2})$$



$$k(x, \varepsilon) \subseteq M$$

$$k(M, \varepsilon) \subseteq M^{C}$$

$$\notin M$$

$$M = [0, 1]$$

$$0 \in IUHM?$$

$$\notin IUHM?$$

$$\Rightarrow extM = 10 rubua$$

$$iut M = ($$

$$M = f_{0,1} \cup \frac{524}{2}$$

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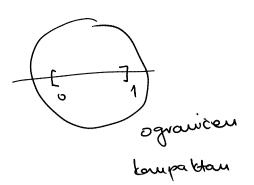
$$\frac{2eM}{k(2,e)} \times \frac{12}{2} \times \frac{2}{2}$$

$$\frac{2eM}{2} \times \frac{12}{2} \times \frac{12}{$$

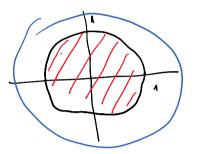
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Wednesday, November 17, 2021 11:39 AM

(0,1) otroven [0,1] zationen



 $M = S(x,y) | x^2 + y^2 = 1^{\gamma}$



rubre : truznica 2atroven. y=> kompablan ogranicon

M= { (x,y) | y >x 2 Y Lavolo

otoreu mite ogramicen!

Wednesday, November 17, 2021 11:39 AM

$$f(x,y) = \frac{x^4 - y^4}{3x^{2} + 3y^2}$$

liw $f(x,y) \stackrel{?}{=} \alpha$, $x_0 = (0,0)$

$$\begin{aligned} D_{\mathbf{x}} &= \mathcal{R}^{2} \setminus \{(q,0)\} \\ a &= \lim_{(x,y) \to (q,0)} \frac{x^{2} \cdot y^{2}}{(x,y) \to (q,0)} = \lim_{(x,y) \to (q,0)} \frac{(x^{2} \cdot y^{2})(x^{2} x^{2})}{(x,y) \to (q,0)} = \lim_{(x,y) \to (q,0)} \frac{x^{2} \cdot y^{2}}{3} = \frac{3}{3} = 0 \\ Del 1: \qquad (0 \times (1 + 1)) = \frac{1}{3x^{2} + 3y^{2}} = 0 = 0 = \frac{1}{3} |x^{2} - y^{2}| \leq \frac{1}{3} (x^{2} + y^{2}) \\ ?(4 \times (x)) = a| = |\frac{x^{4} - y^{4}}{3x^{4} + 3y^{2}} = 0| = \frac{1}{3} |x^{2} - y^{2}| \leq \frac{1}{3} (x^{4} + y^{2}) \\ ?(4 \times (x)) = \sqrt{(x - x_{0})^{4} + (n_{2} - n_{2})^{2}} = \sqrt{(x - x_{0})^{2} + (y - x_{0})^{2}} = \frac{1}{3} |x^{2} - y^{2}| \leq \frac{1}{3} (x^{4} + y^{2}) \\ d(x, x_{0}) = \sqrt{(x - x_{0})^{4} + (n_{2} - n_{2})^{2}} = \sqrt{(x - x_{0})^{2} + (y - x_{0})^{2}} = \frac{1}{3} |x^{2} - y^{2}| \leq \frac{1}{3} \\ d(x, x_{0}) = \sqrt{(x - x_{0})^{4} + (n_{2} - n_{2})^{2}} = \sqrt{(x - x_{0})^{2} + (y - x_{0})^{2}} = \frac{1}{3} |x^{2} - y^{2}| \leq \frac{1}{3} \\ d(x, x_{0}) = \sqrt{(x - x_{0})^{4} + (n_{2} - n_{2})^{2}} = \sqrt{(x - x_{0})^{2} + (y - x_{0})^{2}} = \frac{1}{3} |x^{2} - y^{2}| \leq \frac{1}{3} \\ d(x, x_{0}) = \sqrt{(x - x_{0})^{4} + (n_{2} - n_{2})^{2}} = \sqrt{(x - x_{0})^{2} + (y - x_{0})^{2}} = \frac{1}{3} |x^{2} - y^{2}| \leq \frac{1}{3} \\ d(x, x_{0}) = \sqrt{(x - x_{0})^{4} + (n_{2} - n_{2})^{2}} = \sqrt{(x - x_{0})^{2} + (y - x_{0})^{2}} \\ d(x, x_{0}) = \frac{1}{3} |x^{2} - y^{2}| \leq \frac{1}{3} |x^{2} - y^{2}| \leq \frac{1}{3} \\ d(x, x_{0}) = \frac{1}{3} |x^{2} - y^{2}| \leq \frac{1}{3} |x^{2} - y^{2}| \leq \frac{1}{3} \\ d(x, x_{0}) = \sqrt{(x - x_{0})^{4} + (n_{2} - n_{2})^{2}} = \sqrt{(x - x_{0})^{4} + (x - x_{0})^{2}} \\ d(x, x_{0}) = \frac{1}{3} |x^{2} - y^{2}| \leq \frac{1}{3} |x^{2} - y^{2}| = \frac{1}{$$

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