

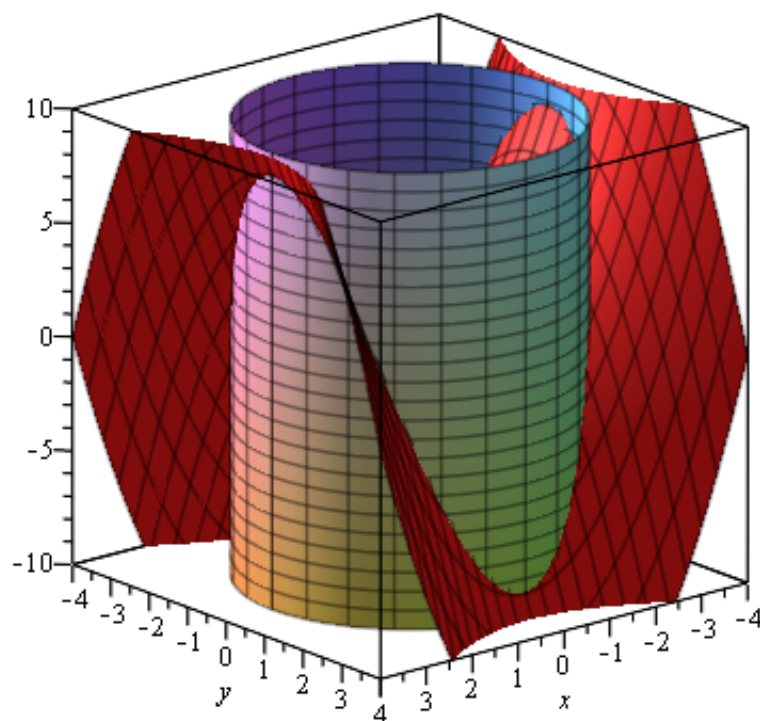
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Absolutní extrémy

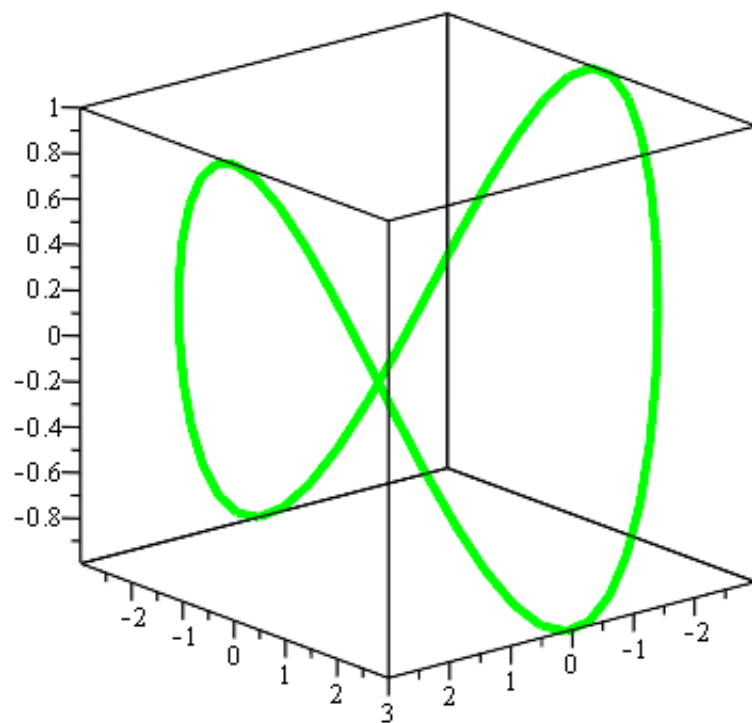
> $z = x^2 - y^2$; $M := x^2 + y^2 = 9$;

$$z = x^2 - y^2$$
$$M := x^2 + y^2 = 9$$

(1)



prostorová krivka

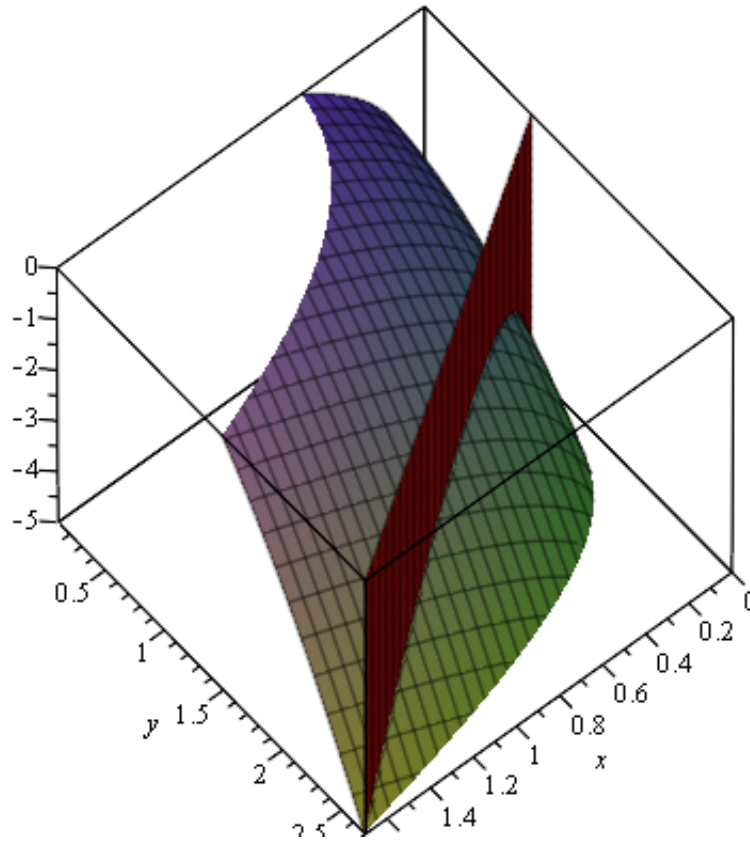


Absolutní extrémy, Sbirka 229

> $f(x,y) = x + \ln(x) - y^2$;

$$f(x,y) = x + \ln(x) - y^2$$

(2)



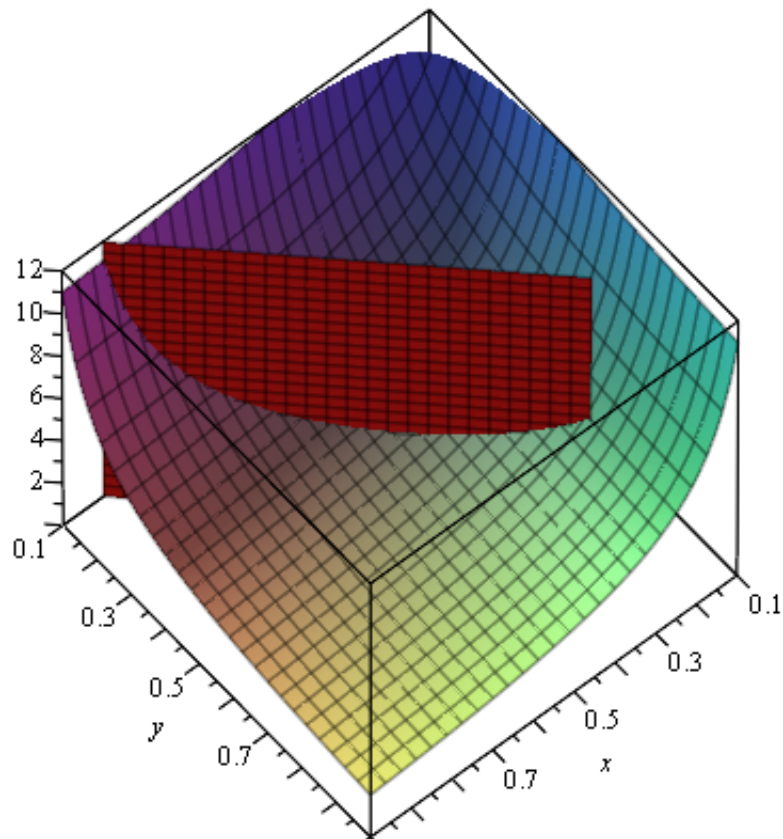
Absolutní extrémy

> $f(x,y)=1/x+1/y; M:=x+y=1, x=1/4..9/10;$

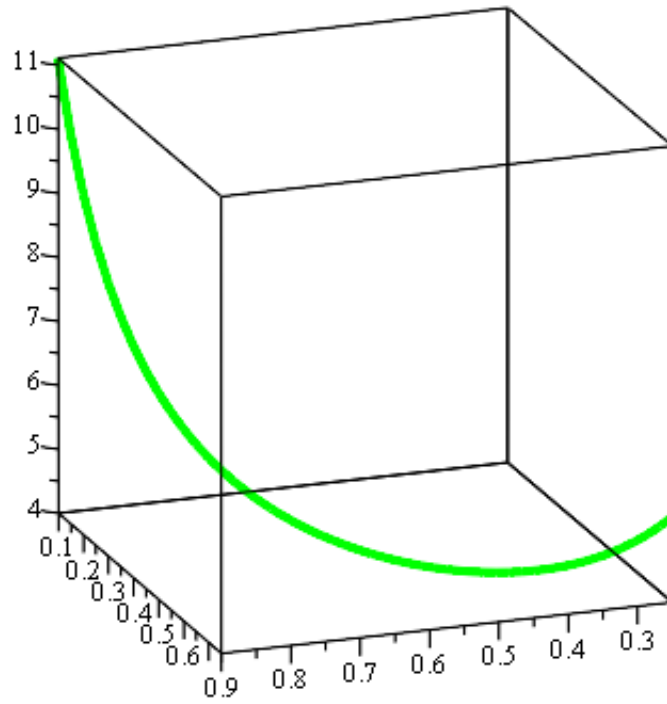
$$f(x,y) = \frac{1}{x} + \frac{1}{y}$$

$$M:=x+y=1, x = \frac{1}{4} .. \frac{9}{10}$$

(3)



prostorová krivka



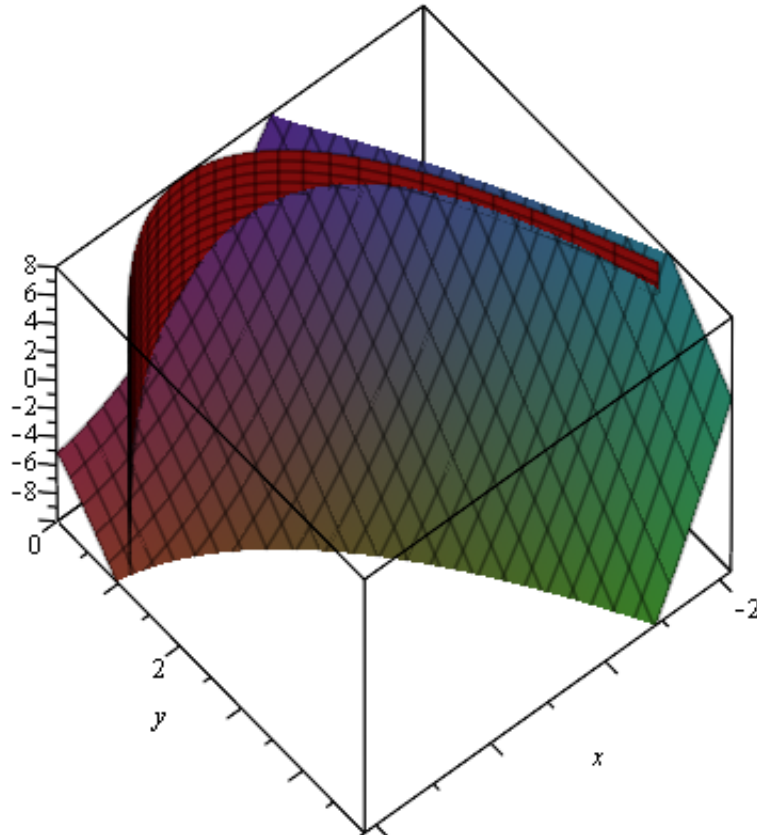
Absolutní extrémy

> $f(x,y)=\sqrt{y}-6y+3x^2-8x$; $M:=y=x^2, x=-2..1$;

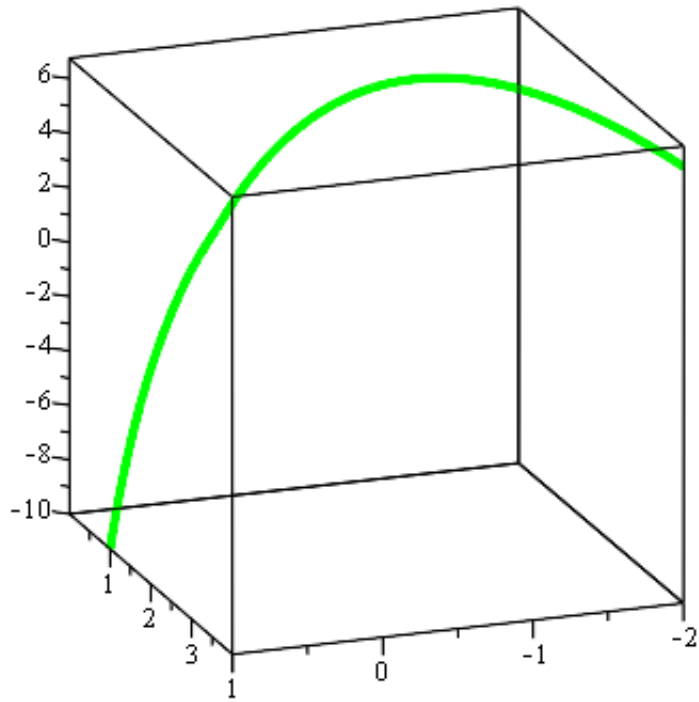
$$f(x,y) = \sqrt{y} - 6y + 3x^2 - 8x$$

$$M := y = x^2, x = -2..1$$

(4)



prostorová krivka



Absolutní extrémy

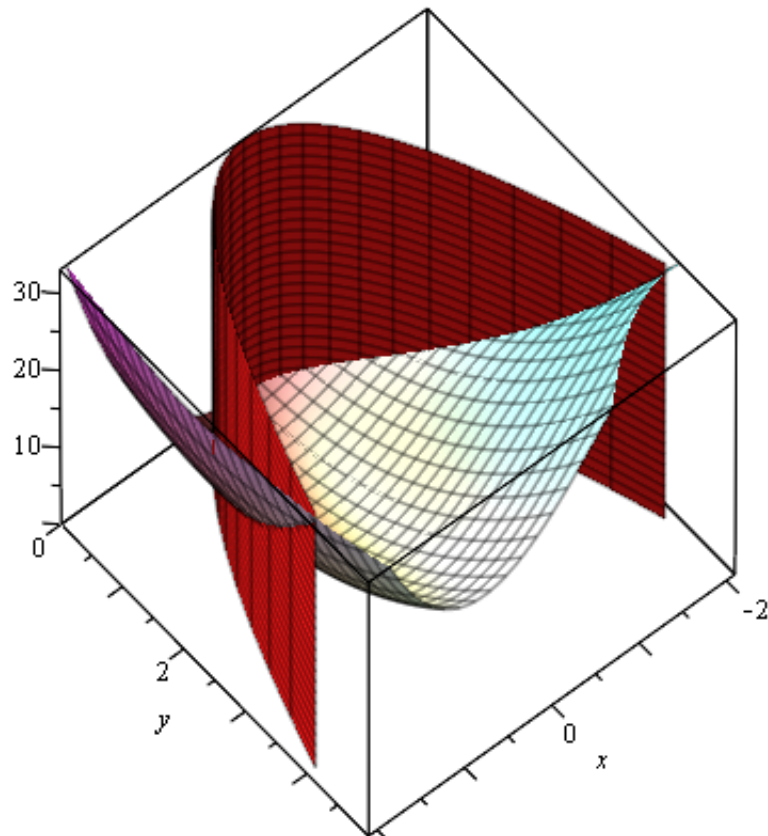
> $f(x,y)=2x^3+4x^2+y^2-2xy$; $M:=y=x^2, x=-2..2$;

$$f(x,y) = 2x^3 + 4x^2 + y^2 - 2xy$$

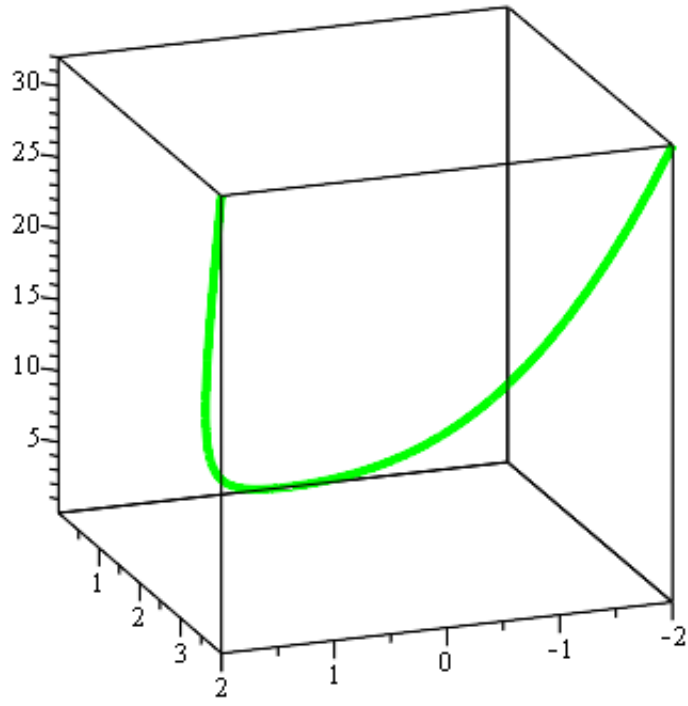
$$M := y = x^2, x = -2..2$$

(5)

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prostorová krivka



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