

Funkce dvou proměnných

Určete a načrtněte definiční obory

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

$$f(x, y) = \arcsin \frac{y^2 + 7}{x + 5}$$

$$f(x, y) = \log \frac{x^2 + y + 1}{1 - \sqrt{x}}$$

$$f(x, y) = \sqrt{\frac{y - \sin x}{y}}$$

$$f(x, y) = \sqrt{x^2 - y^4}$$

$$f(x, y) = \arccos \frac{x + 1}{y^2 + 1}$$

$$f(x, y) = \log \frac{1 - |x|}{1 - |y|}$$

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

$$f(x, y) = (x + y)^{|x-y|}$$

$$f(x, y) = \sqrt{y^2 - |x|} \cdot \sin x$$

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

$$f(x, y) = \log(1 - |x| - |y|)$$

$$f(x, y) = \sqrt{e^{xy} - e}$$

$$f(x, y) = (1 + |x|)^{|y|}$$

$$f(x, y) = \sqrt{x^2 - y^2}$$

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

$$f(x, y) = \sqrt{\frac{x^2 - y}{x^2 + y + 5}}$$

$$f(x, y) = \sin x \cdot \sqrt{y^2 - 2y + x^2}$$

$$f(x, y) = y \cdot \sqrt[3]{y - \arctan x}$$