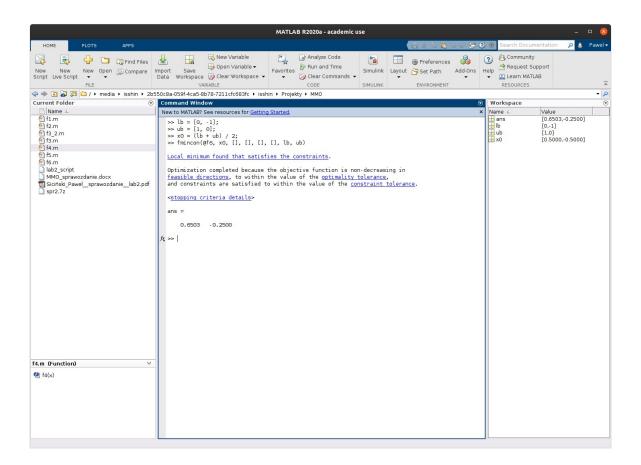
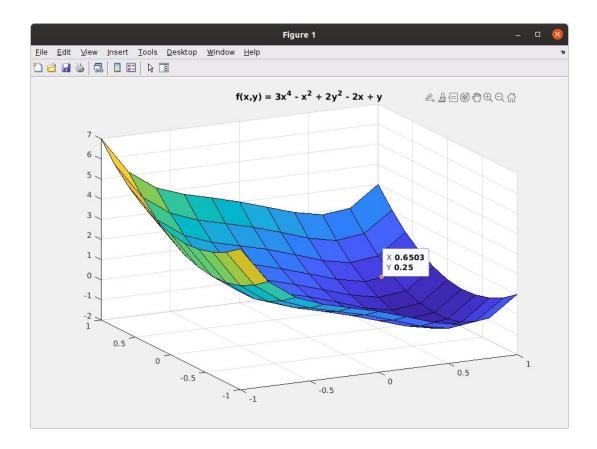
Matematyczne metody optymalizacji Sprawozdanie: laboratorium nr 3 Siciński Paweł

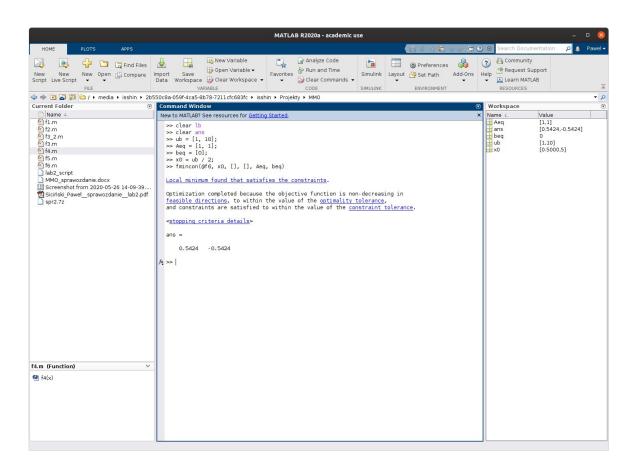
$$f(x,y) = 3x^4 - x^2 + 2y^2 - 2x + y$$

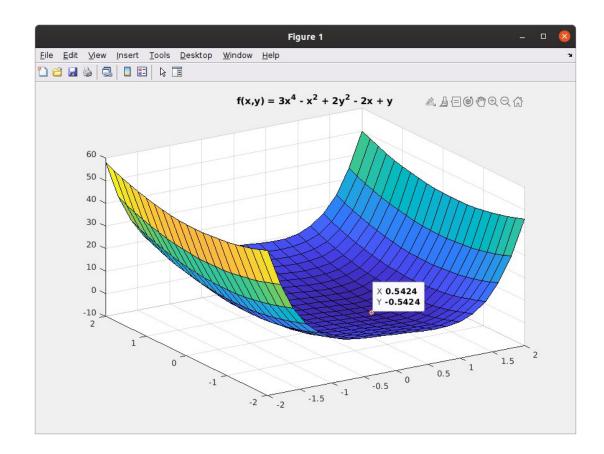
$$x \ge 0, y \le 0$$



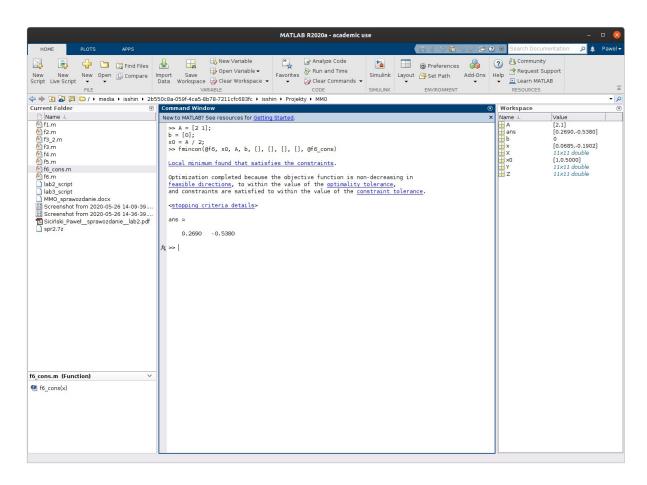


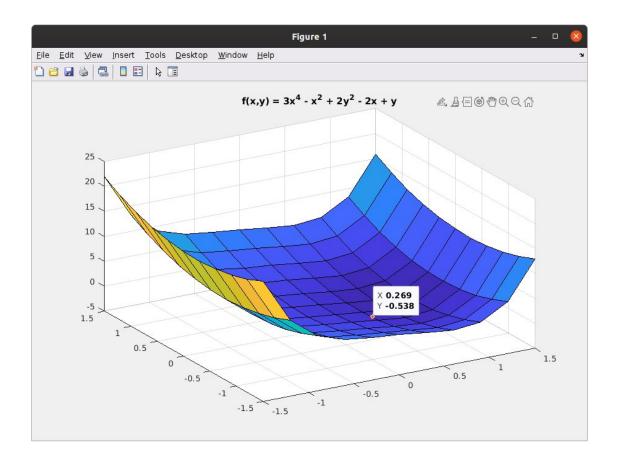
$$x + y = 0, x \leq 1, y \geq 10$$



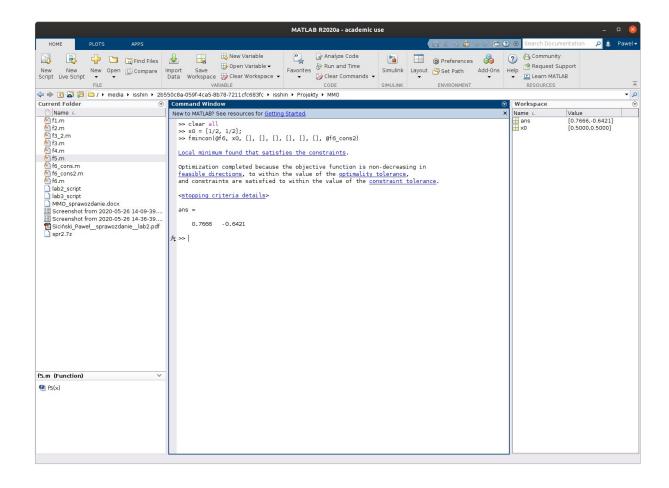


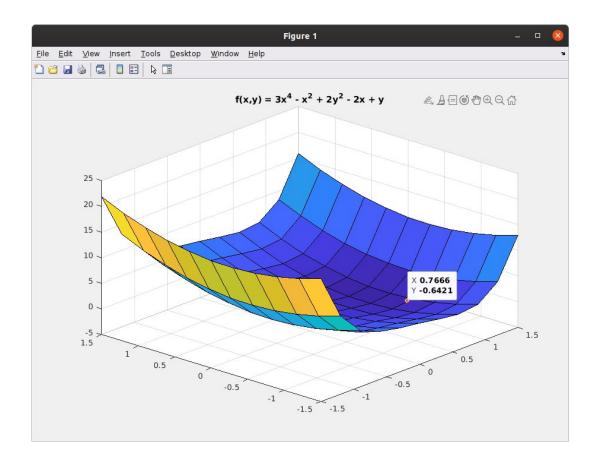
$$2x + y \le 0, x^2 + 3y^2 \le 1$$





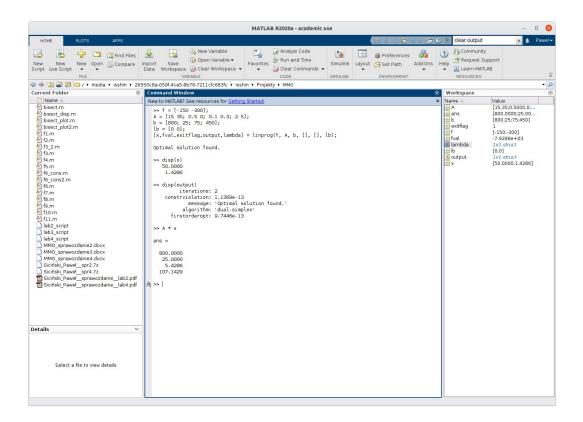
$$x^2 + y^2 = 1$$





Zagadnienie optymalizacji zysku

Funkcja celu: $f(x_1, x_2) = -150 x_1 - 300 x_2$



Interpretacja:

	zasoby zużywane		zasoby	zacoby maksymal no
	krzesło	stół	potrzebne	zasoby maksymalne
drewno	15	35	800	800
materiał	0.5	0	25	25
klej	0.1	0.3	6	75
roboczogodziny	2	5	108	450