Cus 10

1. Priterial de stabilire a junctiler de extrem local

ex c

Fix $f: \mathbb{R}^2 \to \mathbb{R}$, $f(x) = x^3 + 3xy^2 - 15x - 12y$ Det punctele de extrem brok x_i^2 prenization natura box

2. Jerma functiiler implicite

MC

Aratati sa ematia $x^2 - 2xy + y^2 + x + y = 2$ defineste introverinatate a junctului (1,1)

function implicita y = y(x) si

det $y'(1) \left(= \frac{dy}{dx}(1) \right)$

- 3. Extreme un legaturi
- 4. Jevrema multiplicatorilor hagrange
- s. Algoritm pt. det puncteler stationare unditionate