Ejerflo 
$$f(x,y) = x^3$$

$$\int_{X} (x,y) = 3x^{2}$$

$$\int_{Y} (x,y) = 0$$

Puntes critics 
$$f_{\chi}(x,y) = 3x^2 = 0$$
  $\chi = 0$ .  
 $f_{\chi}(xy) = 0 = 0$ 

$$\int_{XX} (Xy) = 6x \qquad \int_{Xy} (X,y) = 0 \qquad \int_{yy} (Xy) = 0$$

$$H_{J}(0,b) = \begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix} det(H_{J}(0,b)) = 0.$$

odemin: 
$$Si \times 70$$
,  $f(x,y) = x^3 > 0$ .

$$J_1 \times <0$$
,  $f(x,y) = x^3 < 0$ 

$$S(x) = x^3 = 0$$