Aulo 15 - 16.3/1i

Domich Comorum Villa de Salin - 123.145

Pentes Catros:

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Pal = 
$$4x^3 + 4y - 6 = 0$$
 =>  $3f = y = -4x^3 + 6$ 

Now Day

Particle Catros:

Par

$$y = \frac{5}{2} - \frac{1}{2}$$

$$y = 2$$

$$H(x,y) = \begin{cases} \frac{\partial x}{\partial x_1} & \frac{\partial x}{\partial x_2} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac{\partial x}{\partial x_3} \\ \frac{\partial x}{\partial x_3} & \frac$$

\* 
$$\frac{\partial f}{\partial x} = 4x^3 - y - 6$$
  
 $\frac{\partial f}{\partial x} = x + 2y - 5$ 

$$\frac{\partial x}{\partial y} = x + \lambda y - 5$$

$$\frac{\partial y}{\partial x} = \frac{\partial y}{\partial x} =$$

$$\frac{\partial x}{\partial y} = \frac{\partial y}{\partial x^2}$$

 $\frac{\partial^2 f}{\partial y^2} = 2$ 

 $H(x,y) = \begin{vmatrix} 12x^2 & 1 \\ 1 & 2 \end{vmatrix} = 24x^2 - 1$ 

.. H(1,2) >0, 32/ >0

Dessa forma o ponto (4,2) é mínimo local