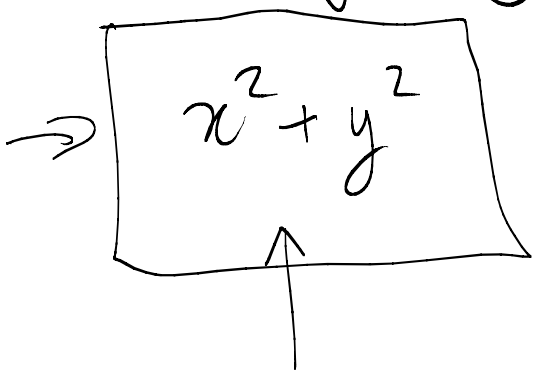
Note Title 7/9/2021

$\rightarrow x^2 + y^2 - xy = 1$



$$\begin{pmatrix} 2x \\ 2y \end{pmatrix} = 0 \quad f$$

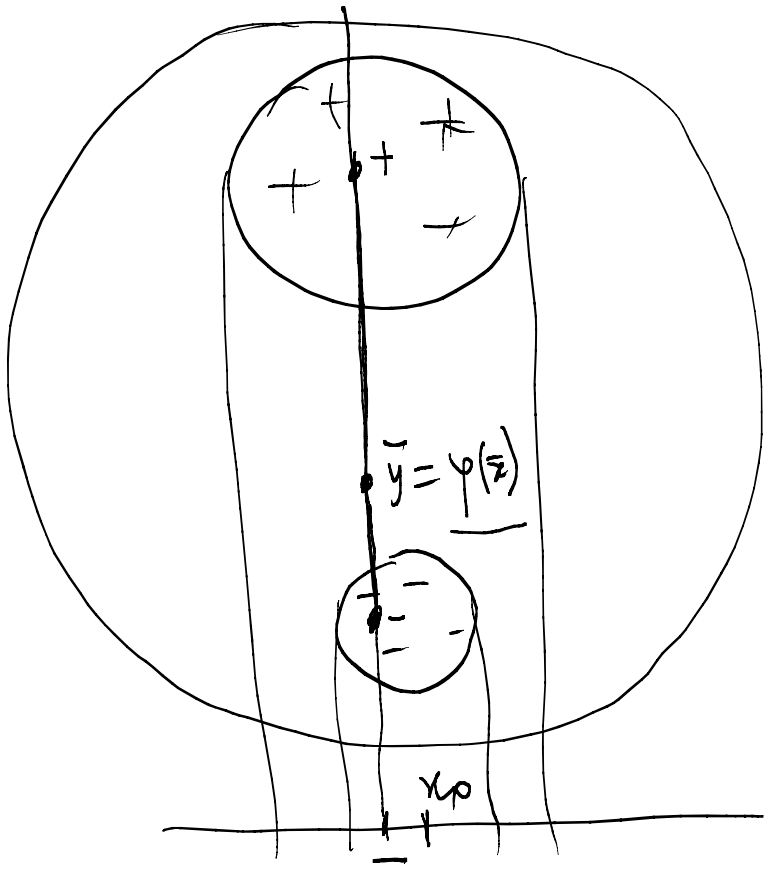
$$\begin{pmatrix} 2x - y \\ 2y - x \end{pmatrix} = 0 \quad g$$

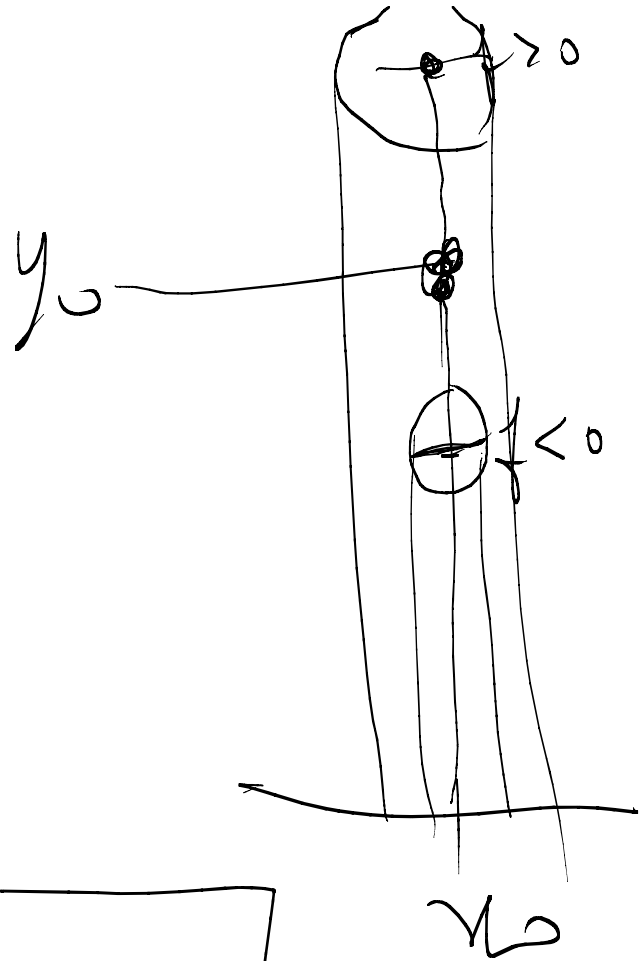
curve regolare

1) $\gamma \in C^1[a,b]$

2) $\dot{\gamma}(t) \neq 0 \quad \forall t \in [a,b]$

$x = \bar{x}$





$f(\bar{x}, \bar{y}) = 0$

$\varphi(\bar{x}) = \bar{y} \Rightarrow f(x, \varphi(x)) = 0$, $\forall x \in [x_0 - \delta, x_0 + \delta]$