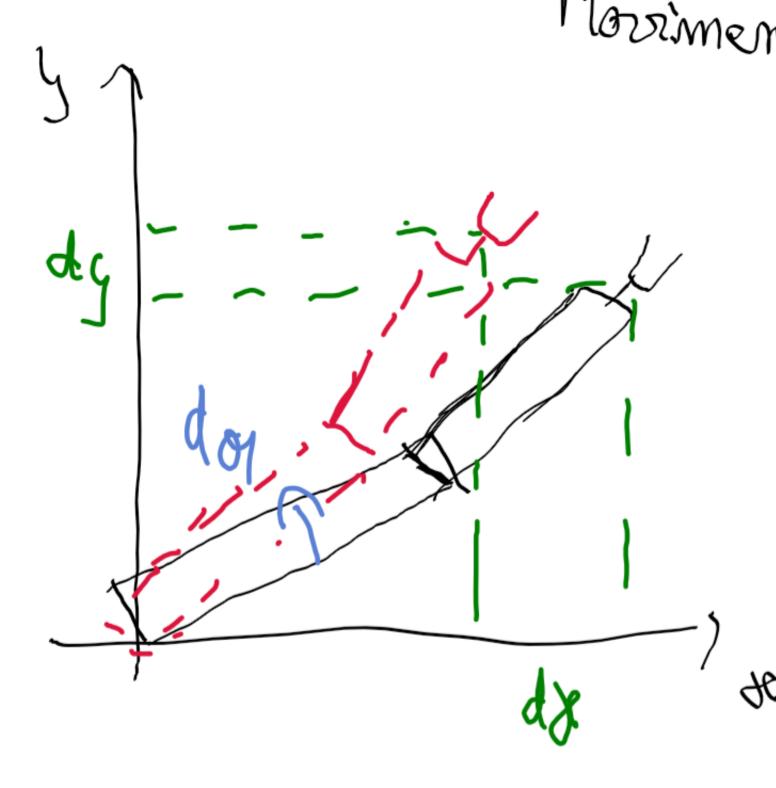
Morriments telm de ser lequeramon



$$\begin{bmatrix} dx \\ dg \end{bmatrix} = \begin{bmatrix} J_{11} J_{12} \\ J_{21} J_{22} \end{bmatrix} \begin{bmatrix} do_1 \\ do_2 \end{bmatrix}$$

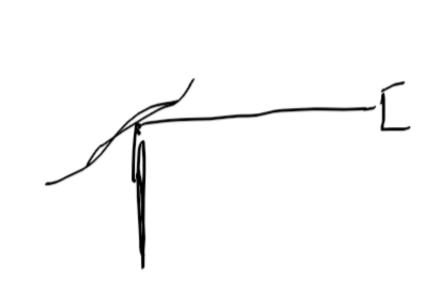
$$J_{11} = \frac{\partial x}{\partial a_{1}} = -L_{1}S_{1} - L_{2}S_{12}$$

$$J_{11} = \frac{\partial x}{\partial a_{2}} = -L_{2}S_{12}$$

$$J_{21} = J_{21}$$

$$J_{21} = J_{21}$$

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$$\begin{cases} 3 = 12C_{1}C_{2} \\ 4 = 12S_{1}C_{2} \\ 3 = 12S_{2} + 1 \end{cases}$$

$$\begin{cases} dx = \begin{bmatrix} J_{11} & J_{12} \\ J_{21} & J_{22} \\ J_{31} & J_{32} \end{cases}$$

$$\begin{cases} dx = \begin{bmatrix} J_{11} & J_{12} \\ J_{21} & J_{22} \\ J_{31} & J_{32} \end{cases}$$

$$\overline{9}^{7} = F_{\underline{1}} \overline{2} = \lambda d\overline{9} = \overline{3} d\overline{2}$$
 $\overline{3} = 2$

$$A^{-1} = Adj(A)$$

$$def(A)$$

$$\overline{J}^{-1} = \begin{bmatrix} \overline{J} & \overline{J} & \overline{J} \\ -\overline{J} & \overline{J} \\ \overline{J} & \overline{J} \end{bmatrix}$$

$$\frac{1}{2} = \begin{bmatrix} \overline{J} & \overline{J} & \overline{J} \\ \overline{J} & \overline{J} \\ \overline{J} & \overline{J} \end{bmatrix}$$

=
$$L_{1}L_{2}(S_{1})(1-C_{12}S_{1}) = L_{1}L_{2}S_{2}$$

 $Sim(\sigma_{1}+\sigma_{2}-\sigma_{1})$

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 $\frac{S_1}{C_1} = \frac{9}{8} (=1) \times S_1 - 9C_1 = 0$

Sid8+8Cidoi-Cidy+ysidoi=0 (= doi(dCi+ysi)=-Sidx+Cidy

E) do, = - Sidx + Cidy

ac, 445,