$$\chi_{1} = a_{1}$$

$$\chi_{2} = e^{t} \left(\frac{\partial z + \partial z}{\partial z} \right) + \frac{e^{t} \left(\frac{\partial z - \partial z}{\partial z} \right)}{2}$$

$$\chi_{3} = e^{t} \left(\frac{\partial z + \partial z}{\partial z} \right) - e^{-t} \left(\frac{\partial z - \partial z}{\partial z} \right)$$

$$V_{1} = \frac{dx_{1}}{dt} = 0$$

$$V_{2} = \frac{dx_{2}}{dt} = \frac{e^{t}(\partial_{z} + \partial_{3})}{2} - \frac{e^{-t}(\partial_{z} - \partial_{3})}{2}$$

$$V_{3} = \frac{dx_{3}}{dt} = \frac{e^{t}(\partial_{z} + \partial_{3})}{2} + \frac{e^{-t}(\partial_{z} - \partial_{3})}{2}$$

$$V_{3} = \frac{dx_{3}}{dt} = \frac{e^{t}(\partial_{z} + \partial_{3})}{2} + \frac{e^{-t}(\partial_{z} - \partial_{3})}{2}$$

Noter:

$$V_{2} = \mathcal{X}_{3}$$

$$V_{3} = \mathcal{X}_{2}$$

$$V_{i} = 0$$

$$(a) \longrightarrow V_{i}(\mathcal{X}, t)$$

También (méslage, procedan):

De (1), sunado y restado:

$$2i = x_1$$
 $2i = x_1$
 $2i = x_1$

2)
$$\phi(x,y) = 3x^3 + bx^2y + cxy^2 + dy^3$$
 $\int_{xx} = \frac{9^2y}{9x^2} = 2cx + 6dy$
 $\int_{yy} = \frac{3x^2}{9x^2} + V = 63x + 2by + 9h q y$
 $\int_{xy} = -\frac{3y}{9x^2} = -2bx - 2cy = yx$
 $\frac{Equilibrio:}{\int_{yy} + X_i} = 0$
 $\frac{X}{2} = \begin{pmatrix} 0 \\ -9hq \end{pmatrix}$
 $\int_{xx,x} + \int_{xy} + X_i + X_i = 2c - 2c + 0 = 0$
 $\int_{yx,x} + \int_{yy} + X_i = 2c - 2c + 0 = 0$
 $\int_{yx,x} + \int_{yy} + X_i = 2c - 2c + 0 = 0$
 $\int_{yx,x} + \int_{yy} + X_i = 2c - 2c + 0 = 0$
 $\int_{yx,x} + \int_{yy} + X_i = 2c - 2c + 0 = 0$
 $\int_{yx,x} + \int_{yy} + \int_{x} + \int_{x$

$$\begin{aligned}
& \left(-G_{xy} - h\right) = 2ch - 2bx \\
& \left(-G_{xy}\right) dx = -2ch x + b x^{2} \right| = bl^{2} - 2clh \\
& \cdot \circ \quad l^{2}b - 2lh c = \frac{9agh^{2}}{2} \begin{pmatrix} 0 \\ vortes \end{pmatrix} \\
& \left(-G_{xy}\right) dx = \frac{9agh}{2} \quad \left(-\frac{9agh}{2}\right) \\
& \left(-G_{xy}\right) dx = \frac{9agh}{2} \quad \left(-\frac{9agh}{2}\right) \\
& \left(-\frac{9agh}{2}\right) dx = \frac{9agh}{2} \quad \left(-\frac{9agh}{2}\right) dx = \frac{9agh}{2} \\
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& \left(-\frac{9agh}{2}\right) dx = \frac{9agh}{2} \quad \left(-\frac{9a$$

$$|D| |C_{yy}(l,-h)| = 62l - 26h - 8kgh = 0$$

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$$|C_{yy}(l,-h)| = 62l - 26h - 8kgh = 0$$

$$\begin{aligned}
& \begin{bmatrix} G_{xx} & G_{xy} \\ G_{yx} & G_{yy} \end{bmatrix} \begin{pmatrix} -1 \\ 0 \end{pmatrix} = \begin{bmatrix} -G_{xx} \\ -G_{yx} \end{bmatrix} \\
& \begin{bmatrix} G_{xx} & G_{xy} \end{bmatrix} \begin{pmatrix} 0 \\ -1 \end{pmatrix} = \begin{bmatrix} -G_{xy} \\ -G_{yy} \end{bmatrix} \\
& \begin{bmatrix} G_{xx} & G_{xy} \end{bmatrix} \begin{pmatrix} -1 \\ -1 \end{pmatrix} = \begin{bmatrix} -G_{xy} \\ -G_{yy} \end{bmatrix} \\
& \begin{bmatrix} G_{xx} & G_{xy} \end{bmatrix} \begin{pmatrix} -1 \\ -1 \end{pmatrix} = \begin{bmatrix} -G_{xy} \\ -G_{yy} \end{bmatrix} \\
& \begin{bmatrix} G_{xx} & G_{xy} \end{bmatrix} \begin{pmatrix} -1 \\ -1 \end{pmatrix} = \begin{bmatrix} G_{xy} & G_{xy} \\ -1 \end{pmatrix} = \begin{bmatrix} G_{xy} & G_{xy} \\ -1 & G_{xy} \end{bmatrix} \\
& \begin{bmatrix} G_{xx} & G_{xy} \\ -1 & G_{xy} \end{bmatrix} \begin{pmatrix} -1 \\ -1 & G_{xy} \end{pmatrix} = \begin{bmatrix} G_{xy} & G_{xy} \\ -1 & G_{xy} \end{pmatrix} \\
& \begin{bmatrix} G_{xx} & G_{xy} \\ -1 & G_{xy} \end{bmatrix} \begin{pmatrix} -1 & G_{xy} \\ -1 & G_{xy} \end{pmatrix} = \begin{bmatrix} G_{xy} & G_{xy} \\ -1 & G_{xy} \end{bmatrix} \\
& \begin{bmatrix} G_{xx} & G_{xy} \\ -1 & G_{xy} \end{bmatrix} \begin{pmatrix} -1 & G_{xy} \\ -1 & G_{xy} \end{pmatrix} = \begin{bmatrix} G_{xy} & G_{xy} \\ -1 & G_{xy} \end{bmatrix} \\
& \begin{bmatrix} G_{xx} & G_{xy} \\ -1 & G_{xy} \end{bmatrix} \begin{pmatrix} G_{xy} & G_{xy} \\ -1 & G_{xy} \end{pmatrix} = \begin{bmatrix} G_{xy} & G_{xy} \\ -1 & G_{xy} \end{bmatrix} \\
& \begin{bmatrix} G_{xx} & G_{xy} \\ -1 & G_{xy} \end{bmatrix} \begin{pmatrix} G_{xy} & G_{xy} \\ -1 & G_{xy} \end{pmatrix} = \begin{bmatrix} G_{xy} & G_{xy} \\ -1 & G_{xy} \end{bmatrix} \\
& \begin{bmatrix} G_{xx} & G_{xy} \\ -1 & G_{xy} \end{bmatrix} \begin{pmatrix} G_{xy} & G_{xy} \\ -1 & G_{xy} \end{pmatrix} = \begin{bmatrix} G_{xy} & G_{xy} \\ -1 & G_{xy} \end{bmatrix} \\
& \begin{bmatrix} G_{xx} & G_{xy} \\ -1 & G_{xy} \end{bmatrix} \begin{pmatrix} G_{xy} & G_{xy} \\ -1 & G_{xy} \end{pmatrix} = \begin{bmatrix} G_{xy} & G_{xy} \\ -1 & G_{xy} \end{bmatrix} \\
& \begin{bmatrix} G_{xx} & G_{xy} \\ -1 & G_{xy} \end{bmatrix} \begin{pmatrix} G_{xy} & G_{xy} \\ -1 & G_{xy} \end{pmatrix} = \begin{bmatrix} G_{xy} & G_{xy} \\ -1 & G_{xy} \end{bmatrix} \begin{pmatrix} G_{xy} & G_{xy} \\ -1 & G_{xy} \end{pmatrix}$$

b= rd(v) = bi= Eijk Vk,j $\int_{S} \lambda b_{i} n_{i} dS = \int_{V} (\lambda b_{i}), i dV =$ = $\int_{V} \lambda_{,i} b_{i} dV + \int_{V} \lambda b_{i,i} dV$ bi, i = Eijk Vk, ji = Ekij Vk, ij = = V_{1,23} - V_{1,32} + V_{2,31} - V_{2,13} + V_{3,12} of $\int_{S} \lambda binidS = \int_{V} \lambda, ibidV$

para bi=Eijk Vk,j