$$\dot{\chi} = \lambda x = \chi(t) = Ce^{\lambda t}$$

$$\frac{d\chi(t)}{dt} = \frac{1}{4t}(ce^{\lambda t}) = c\frac{1}{4t}(e^{\lambda t}) = c\frac{1}{4(\lambda t)} \cdot \frac{1}{4t}$$

$$= ce^{\lambda t} = \lambda ce^{\lambda t} = \lambda \chi(t).$$

$$\chi(0) = \zeta_0 = 7 C e^{\lambda_0} = \zeta_0 = 7 C e^{\delta} = \zeta_0 = 7 C = \zeta_0$$

=> $y(t) = \zeta_0 e^{\lambda t}$ es sol. part. a $\dot{y} = \lambda y$, $y(0) = \zeta_0$.

continúa

$$det(A-\lambda I_{1x2})=0=)$$
 => $|-\lambda|^2=(1-\lambda)(2-\lambda)-6=6$

$$\begin{pmatrix} 1 & 2 \\ 3 & 2 \end{pmatrix} \begin{pmatrix} 2 \\ 3 \end{pmatrix} = \begin{pmatrix} 8 \\ 12 \end{pmatrix} = 4 \begin{pmatrix} 2 \\ 3 \end{pmatrix}$$
 $\begin{pmatrix} 12 \\ 32 \end{pmatrix} \begin{pmatrix} -1 \\ 1 \end{pmatrix} = \begin{pmatrix} -1 \\ 1 \end{pmatrix} = -1 \begin{pmatrix} -1 \\ 1 \end{pmatrix}$

$$\begin{pmatrix} 1 & 2 \\ 3 & 2 \end{pmatrix} = \begin{bmatrix} -1 \\ 3 \end{bmatrix}_{\beta} \quad \beta = \dot{\alpha}? \quad \begin{pmatrix} 2 \\ 3 \end{pmatrix} = \begin{bmatrix} \vec{V}_1 \end{bmatrix}_{\beta} \quad \begin{pmatrix} -1 \\ 1 \end{pmatrix} = \begin{bmatrix} \vec{V}_2 \end{bmatrix}_{\beta}$$

$$\left[\begin{array}{c} \begin{bmatrix} 1 \\ 3 \end{bmatrix} \right]_{\mathcal{F}} = \left[\begin{bmatrix} 1 \\ 2 \end{bmatrix} \right]_{\mathcal{F}} = \left[\begin{bmatrix} 2 \\ 3 \end{bmatrix} \right] = \left[\begin{bmatrix} 2 \\ 3 \end{bmatrix} \right] = \left[\begin{bmatrix} 2 \\ 3 \end{bmatrix} \right]$$

$$[I]_{\beta}^{\gamma}[T]_{\beta}[I]_{\gamma}^{\beta}=[T]_{\gamma}=\begin{pmatrix} 4 & 0 \\ 0 & -1 \end{pmatrix}.$$

Después de haber resuelto el sistema representándos en %, $[X]_B = [I]_r^p [\hat{x}]_{\Im}$.