Temas selectos de física $S_{xy} = \frac{1}{n-1} \sum_{i=1}^{n} (x_i - \overline{x}) (y_i - \overline{y})$ 1) > Muestre $= \frac{1}{n-1} \left[\sum_{i=1}^{n} x_i y_i - n \bar{z} \bar{y} \right]$ = n Zxiyi - Zxi Zyi Desarrollamos 5xy = 1 \(\sum_{n-1} \sum_{xiy} = \frac{1}{5} \sum_{xiy} = \frac{1}{5} \sum_{xiy} = \frac{1}{5} \sum_{xi} = \fr => => \(\sum \) \(\Sigma \) \ Tril Exigi - Eyi Exi _ Eyi Exi _ ExiZo $S_{xy} = \frac{1}{n-1} \left[\sum x_i y_i - n \overline{y} \overline{x} \right]$ Sesque Sxy = Txigi - X Zxi Z 3i $= \sum_{xy} = \frac{n \sum_{xi} y_i - \sum_{xi} \sum_{yi} y_i}{n(n-1)}$ 1) > Continue con el procedimiento Para 1 = 1. 4465 [S-1, I] t, = [0.1986-14965 0.6743] [t.] = [0] = [-0.6479 0.6793][tim] = [0]
[0.6793 -0.7122][tai] = [0]

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Hearing et producto metrical tenemos
-0.6479 tu + 0.6743 tz1 = 0 Elegimon tu = 1
=7 + 0.6479 + 0.6793 te1 = 0 : t21 = 0.6479 = 0.9537
Tenames ti= (1, 0.9537) -> Normalizando
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Para 1= 0.0864
$=) [S-I_2I]t_2 = \begin{bmatrix} 0.1122 & 0.6793 \\ 0.6793 & 6.6479 \end{bmatrix} \begin{bmatrix} t_{12} \\ t_{22} \end{bmatrix} = \begin{bmatrix} 0 \\ 0 \end{bmatrix}$
=> 0.7122 $\delta_{12} + 0.6793 = 0$ con $\delta_{12} = 1$
$= > \ell_n = -0.9538$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

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