Roduguez F. Ha Joré Emanuel 1) Acon $U = \begin{pmatrix} x_1 \\ y_1 \end{pmatrix}$ $V = \begin{pmatrix} x_2 \\ y_2 \end{pmatrix}$ $w = \begin{pmatrix} x_3 \\ y_3 \end{pmatrix}$ & $C \in \mathbb{R}$ $\langle c_{U}+v_{,W}\rangle = \langle c_{(y_1)}^{(x_1)}+(x_2),(x_3)\rangle$ $= \langle (cx_1 + x_2), (x_3) \rangle = (cx_1 + x_2) x_3 + 3 (cy_1 + y_2) y_3$ = C x, x3 + x2x3 + 3C4, 43 + 342 43 Pur otro la do = c (x1x3 +34143) + x2x3 + 34243 = Cx1x3 + x2x3 + 3C 4,43 + 34243 :. \(\cu+v,w\) = \(\cu,w\) + \(\cu,w\) Analogamente (U, CV+W) = 4/1/1 $= \left\langle \begin{pmatrix} x_1 \\ y_1 \end{pmatrix}, c \begin{pmatrix} x_2 \\ y_2 \end{pmatrix} + \begin{pmatrix} x_3 \\ y_3 \end{pmatrix} \right\rangle = \left\langle \begin{pmatrix} x_1 \\ y_1 \end{pmatrix}, \begin{pmatrix} cx_2 + x_3 \\ cy_2 + y_3 \end{pmatrix} \right\rangle$ = x1(cx2+x3) + 34, (c42+43) = CX1X2 + X1X3 +35 4142 + 34,43 Par otro lado

Rodiguez Fille José Emernel = ((x1x2 +34142) + x1x3 +34,43 = Cx1x2 + X1x3 + 3C4142 + 34,43 2) 1011= <0,0)1/2 = <(x/y), (x/y)>1/2 = (x12+34,2)1/2 =) 11x11 = (4+3(-3)2)112 = (4+27)1/2 = [31