Diaz Hernández Marcos Bryan

Ha-Ju

N. 7:12

Tavca: 26

- Wercicio is, pagina 451, Barrera.

Defermine la relación que debn tener aibEM, tal que el operador lineal Tel2-7R2 cuyo regla de correspondacia es:

T(x,y) = (1x + ay 1bx-y) Cx,y) CR

9) sea in operador simetrico con el produto occidor ordinario.

$$H = H^T$$
  $b = \{(1,0),(0,1)\}$   $M(1)^T = \{a = 1\}$   
 $T(1,0) = (2,b)$   $M(1) = \{a = 1\}$   $A = b$   $A = b$   
 $T(0,1) = \{a_1 = 1\}$   $A = b$   $A = b$   
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- Ejeracio 28, pagina 454, baricra.

Sea ex espacio (= sel z = atbi: + a,b ex con i2=-1) schrel y sca dopurador lineal T: (-> C definido por : TCZ)=zi; Hzec

a) Determine of T is an aperidor unitario con el signicité producto interno : (211) = UT U es el corrugado.

(ai-b) | T(v)) = (v) | x a +bi, w+zi e( (ai-b) | T(w+zi)) = (atbi | w+zi) (ai-b) | wi-z) = (atbi | w+zi) (oi-b)(-z-wi) = (atbi)(w-zi) -zattaw+bz+bwz = aw-azi +wbi+bz so comple co unitaro Tarea: 26

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6. Sean el espacio sectorial 12 con producto internovad y el operador lineal 5:12 -12
                                 a) Determinar si 5 o un opriador sinetuico.
 (al goc: 5(1,1,0) - (3,2,0)
          5 CO, -1,0) = C-2,0,1)
          5 CO, 2, 2) = (6, -2,4)
  H=H" (x14,2) = 2(1,10)+p(0,-7,0)+p(0,2,2)
 x-p+27=y x-p+2=g T(x,y,2)=x(3,2,0)+ (x+2-y)(-2,0,1)+ 3 (6,-2,4)
 3-32 b=x+5x = (3x-2x-2z+2y+3z, 2x-z, x+z-y+2z)

3-32 b=x+5x = (x+z+3y, 2x-z, x+3zy)
7(1,0,0)=(1,2,1)
7 (91,0 = (2,0,7)
7(90,1):(1,-7,3)
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