

```
e por la 1ª ende 4. (+ + =) = 4. + 4. =
                               11 op. 11 . 11 711 cos 8
     A \cdot A = F \cdot (\|B\|B) = \|A\| (B \cdot B)
\Rightarrow (A \cdot A) (\|B\|B) = \|B\| [(A + A) B] \Rightarrow (A + A) B = AB + AB
         [4] = (ux) equ: vale ~ 4 = 4x1 + 4y1 + 4ek
     M· A = (Ax 1 + A) + As E) · (Ax 1 + A) + As E)
            - ux vx (11) + 4x vz (12) + 4x vz (1k) +
            + 49 2 (31) + 49 2 (33) + 49 2 (31) +
            + 42 1/2 ( [ ] + 42 1/2 ( ] + 42 1/2 ( ] ) + 42 1/2 ( ]
           Lo aquivale a -> ( uy ) (vy )
                                                                       allow 1
053V.: 4, 4 0
   N · A = ||A|| ||A|| cor 0
  N: [A] = ( 1/5) NTX 5
   \underline{\mathsf{v}} : \left[\underline{\mathsf{v}}\right] = \left(\begin{smallmatrix} \mathbf{v} \\ \mathbf{v} \end{smallmatrix}\right)
  u.v = 0+2+4=3
  ||4|| = \( \frac{y \cdot 4}{2} = \sqrt{4x^2 + 4y^2 + 4z^2} = \sqrt{2\sqrt{3}}
  ωs Θ = <u>μ·ν</u> , <u>3</u> = <del>√</del>5 = θ = <del>π</del> 6
                        [ ] = ( ) -> dx+ By+ 2= 0
                                   full 1 vettou & IT arrances
                                   sompre p.s. = 0 con " per 1!
                                  altiment: PPo = or-or. -> (or-or.). " = 0
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