

## UNIVERSIDAD NACIONAL DE INGENIERÍA

## **FACULTAD DE CIENCIAS**

## CALIFICACIÓN

Preg N°	Puntos
1	5,0
2	50
3	5.0
4	0.0
5	U.
6	
Total	

	0		*	1.
611060	Occ	VECTURAL		/
CORSO		UECIGLIFE	COD. CURSO	

PRACTICA ( OCIGGODO Nº 4 SECCIÓN C

APELLIDOS Y NOMBRES (Alumno) CODIGO

Lima, II de Noucenbr del 2013

N° Lista .....

NOTA

En letras

Nombre del Profesor

Firma del Profesor

Sech:

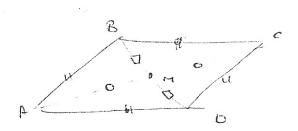
$$P: X-2y+3z=8$$
  $\longrightarrow \bar{n}=(1,-2,3): normal el plano

1:  $\frac{V+4}{4}=\frac{2-5}{3}; \frac{4}{3}=-1$   $\longrightarrow (3)[P\in \mathbb{R}^3/P=(-4,-1,5)+1(4,0,3)]$$ 

$$-p$$
 13t = 20  $-p$  t =  $-25/13$ 

Reemplazando en (x)

2. Ic d proleigrams:



$$B = (0, 0, 1)$$
  
 $B = (1, 0, 0)$ 

Del gréfics:

$$C = A + Z Arr$$

$$C = (0,0,2) - (1,0,0)$$

$$C = (-7, 0, S)$$

```
3.
            L=[13,3,41+t12,2,31]
            [1 = ] (1, 6, -1) + + (-1, 2,0)
       Haller: X/ X b x ~ X b x2 ~ X n X, 1+4
                                              ズハゴッチ中
     AFRITO: X1 NX2=4
    Dam:
     Su pargamos X n X 2 #d -> 3PE X n X2
         P = (3+2+)3+2+; 4+3+) = (1-r; 6+2r; -1)
   lesaviena:
             4++3=-1 -0 +=-5/3
   tanblen:
            3+5+=7-6=9-f-0 f=-5/3 =-2/3
          ズ ハズ = 年
  Grafiamente:
                             Como: DID. ~ DID
                                   D // D, - D,
             10
                                  D. , Ez = (2,2,3/, (-1,2,0)
                                  D= (-2,-2,2) 1/ (-6,-3,6)
Noternos:
P = (x, y, z) \in Z_1 = 1 (x, y, z) = (3, 3, 4) + t(2, 2, 3)
 G = (a, b, c) \in X_2 = (a, b, c) = (a, b, c) + c(-1, 2, c)
medo: ,- 1 [d-6 = (-5-2-5f; 3+52-5f; -2-3f)
  10 T B3 V 10 4 Bd & OH Bd
> < Q-P; (3,31) =0
                              n (B-P; 1-1,2,01) =0
<(-2-r-2+,3+2r-2+;-5-3+);(2;2,31)=0 1 ((-2+-r-2;3/2r-2+;-5-3+);(1,12,0))=0
> -4-20-4+ 46+42-4+-12-9+=0
b 2r - 17t = 13
                                21-56=-8
                 = > P = (3,3,4) + (-1)(2,2,3) = (1,1,1)
```

```
P, = a, x +b, y + a, z = 1 = P; <P, n, ) = <Pe, ni) = 1,
                                                                                                                                                                dend no = (a, ;b, ; c,) : vector normal
                           Pr = aix +biy + (1) = >2 = P((P; 11) = (Pe; 12) = >2
                                                                                                                                                                            dond
"he = (Cer; be; Cr) ! wester wound on F
            Cono R. H riz => P, n Pe + $ (2)
                                   => 3 Pe & P. nP2
           Considerand Po punto de paso de Pi ~ Po
                                                    P_{1} = \langle P, n_{1} \rangle = \langle P_{0}, n_{1} \rangle / \langle P_{1} \rangle = \langle P_{1}, n_{2} \rangle = \langle P_{0}, n_{2}
      P.d = Pin Pi = Lil PER3 / P = Po+ + ( nix nz ) }
      (C) See PEP, nPe
                                                            <P; n, > = <Po; N, > => < PoP; N, > =>
                                                               (P; N2) = (Po) = > < (Po) P; N2) = 0
                                                      Pop Ani n Pop Ling
                                                   POP 11 M xnz
                                                   POP = + (Mixing)
                                                    P = Po + t(n, *n;) -p
                                                                                                                                                                                                                                    PEX
(=) S. PEX => P=Po+t (n, n)
                                      PoP = t (main)
                                                   Pop 11 henz
                                         Pop b ii . Pop binz
                                             (Pop, n, )=0 ~ (Pop; nz)=0
```

P EP, A PEPE

PE PINPS

 $P_1 \cap P_2 = 9 \Rightarrow P_1 \cup P_2$ 

notanos quo : millar (-> =)