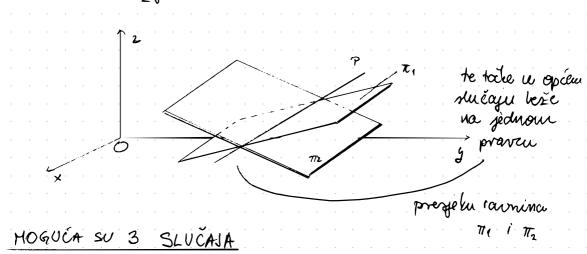
G 3 MEĐUSOBNI POLOŽAJ PRAVCA I RAVNINA

France kao preziek dhiju ravnina $\pi_1 \dots A_1 \times + B_1 \times + C_1 \times + D_1 = 0$ Sve tode prostova leše i u $\pi_2 \dots A_2 \times + B_2 \times + C_2 \times + D_2 = 0$ Frog i u dveyoj ravnim



3 ll ostalion suicijevima drije re ravnine sije en po praven La samo sije simo (momolan suicij)

Zad: Odredimo jeducidébu prova po bojem se rajden ravnine:

nion ni paralelne mi identione $\pi_1 \cdots \times +y-2+1=0$ T2 - ×+2y+2+2=0

$$x + y = z - 1 \rightarrow x = z - 1 - y$$

x+2y = -2-2

$$x+2y=-2-2$$
 $z^{2}-1-y+2y=-2-2$

PARAMETARSKA

ARAMETARSKA:

$$X = 3$$
 $X i y$
 $Y = -2$ $Y = -2$ $Y = -1$
 $Y = -2$ Y

$$TT_1 = c \cdot N$$
 $x_i + y_j + 2k = x_{ii} + y_{ij} + 2_ik + N(l_i + w_j + n_k)$
 $y_i + y_j + 2k = x_{ii} + y_{ij} + 2_ik + N(l_i + w_j + n_k)$
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 $y_i + y_i + y_$

 $\frac{x-x_1}{e} = \frac{y-y_1}{n} = \frac{x-z_1}{n}$ $\frac{x-0}{3} = \frac{y+1}{-2} = \frac{z-0}{-2}$

Kut između pravca iravnine - to je but ismediu pravoa P i vjegove ortogonalne projekcje ha ravnine TT (90-Q) P 1-10 ° $\frac{|C \cdot n|}{|C||n|} = \frac{|AC + Bn + Cn|}{\sqrt{A^2 + B^2 + C^2} \sqrt{c^2 + m^2 + \mu^2}}$ sin (= cos (90 - 4) = Kao i bod odnosa dnju ramina pravac je paralelan s pravac je okomit s C= Au C: 11 = 0 AL+Bm+Cn=0 A = B = C Fad. 17: Odredite jednaditu ravnine Ti koja prolazi pravceu p a deomita je na ravnihu. マンニンナナトル n normala IT je desmite f. 2x + 3y + Z+1=0 na normalis of (Th) ali Z myca pje desmit na sisto L= R=21+3j+& C.W = 0 (i+j+k)(2i+3j+k)=0 $2i \cdot i + 3ij + ik + 2ji + 3jj + jk + 2ki + 3kj + kt = 0$ 3k + j - 2k + i - 2j - 3i = 0 $-2i - j + k = 0 = > [-2x - y + z = 0] \cdot \pi$

Pramen rounina

· imamo drije ravnine toje se zietu (T1, 172)

Ly njihove normale: $n_1 = A_1 i + B_1 j + C_1 k$ $n_2 = A_2 i + B_2 j + C_2 k$ Nih' kolimeanne

P -> broz presječni pravac

može se pnoruć

familija ravnima

Pramen ravnima

Odredivanje nete ramine 12 pramena:

$$T_1 \dots A_1 \times +B_1 y + G \neq +D_1 = 0$$
 $T_2 \dots A_2 \times +B_2 y + C_2 \neq +D_2 = 0$
 $T_3 \dots A_2 \times +B_3 y + C_4 \neq +D_2 = 0$
 $T_4 \dots T_4 \times +B_3 y + C_4 \neq +D_4 = 0$
 $T_4 \dots T_4 \times +B_3 y + C_4 \neq +D_4 = 0$
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 $T_4 \dots T_4 \times +B_5 y + C_4 \neq +D_4 = 0$
 $T_4 \dots T_4 \times +B_5 y + C_4 \neq +D_4 = 0$
 $T_4 \dots T_4 \times +B_5 y + C_4 \neq +D_4 = 0$
 $T_4 \dots T_5 \dots T_5$

=> $l_1(A_1 \times +3, y + (12+D_1) + \mathcal{N}(A_2 \times + B_2 y + C_2 + D_2) = 0$ *arpiscus (left + $\mathcal{N}A_2$) \times + (left) + $\mathcal{N}B_2$) \times + (left) + $\mathcal{N}C_2$) \times + (left) + $\mathcal{N}C_2$) \times + (left) + $\mathcal{N}C_2$) \times + (left) normale je delike len, + $\mathcal{N}C_2$ (left) + $\mathcal{N}C_2$) \times + (left) + $\mathcal{N}C_2$) + (left) +

 $M=0 \longrightarrow daje Tt_2$, $\chi=0 \longrightarrow daje Tt_1$

Fad.) Odredi jednadělní pramena ravníma boje probet pravcem
$$P = \frac{x-1}{2} = \frac{y+2}{3} = \frac{z-1}{1}$$
vellor pravca ravníme: $\vec{c} = 2i + 3j + \underline{E}$