AP 2

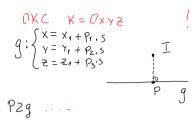
1. Разстояние от точка до права

AND K=OXY e DKC

9: 
$$\frac{A \times + B \cdot Y + C}{\sqrt{A^2 + B^2}} = 0 - HOPHAAHO$$

Mo(x0, Y0)

$$\frac{M_0(X_0, Y_0)}{S(M_0, g) = \frac{A.X_0 + B.Y_0 + C}{\sqrt{A^2 + B^2}}} / \frac{|I|}{II}$$



$$S(H_0, \lambda) = \frac{A.x_0 + B.y_0 + C.z_0 + D}{\sqrt{A^2 + B^2 + C^2}}$$

$$S_{OA_1A_2A_3} = \frac{1}{2}.$$

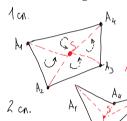
X2 Y2 1

- ориентирано мине



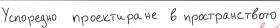
A4

| ℓ<sub>A1A3</sub>(A4). ℓ<sub>A1A3</sub>(A2) < 0 ( RAZAY (AA). CAZAY (A3) ≥ 0



SAAAA25 . SAA2A35 . SAA3A45 . SAAAAA5 > O =>

(=) S e вътрешна за A1A2A3A4



d-проекционна равнина

l Hd, l-npoekrupaujo направление

Mo(xo, Yo, Zo) 7! mo {Z Mo

F! M'= mond

M<sub>o</sub> ----> M'

13ag. AKC DXYZ

 $\Delta: X + Y + 2z + 2 = 0$ ,  $\bar{\ell}^{2}(1, -2, 0)$ 

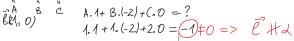


Да се намери анациятично представяне на успоредно проектиране на пространствого върху г по направл. на е.

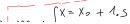
هر را المرابع عن المرابع المرابع

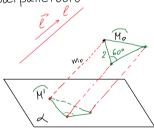
1) npobepia gam [11d?

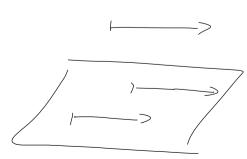
J: 1.x+1. Y+2.2+2=0



2) Mo(xo, Yo, Zo)







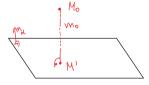
$$\begin{array}{lll} & \{ x_{1}, 0 \} \\ & \{ x_{1}, 0 \}$$

$$\begin{pmatrix} x^1 \\ y^1 \\ z^2 \end{pmatrix} = \begin{pmatrix} 2 & 1 & 2 \\ -2 & -1 & -4 \\ 0 & 0 & 1 \end{pmatrix} \cdot \begin{pmatrix} X_0 \\ Y_0 \\ z_0 \end{pmatrix} + \begin{pmatrix} 2 \\ -4 \\ 0 \end{pmatrix}$$
 a HARLIT. The grant balls have the support particles and the support of the sup

3 зад. (Ортогонално проектиране

?, аналитично представяне на ортогонално проектиране на пространството върху равн. Д.

1) 
$$\lambda: x-y-z+4=0$$
  
 $\vec{n}_{\lambda}(1,-1,-1)$   
 $M_{0}(x_{0},y_{0},z_{0})=>5!$   $m_{0}\begin{cases}ZM_{0}\\II\vec{n}_{\lambda}\end{cases}$   
 $m_{0}: \begin{cases}x=x_{0}+1.p\\Y=y_{0}-1.p\end{cases}, pertonomials$ 



$$M' = m_0 \wedge \lambda \Rightarrow \chi = \chi_0 + P$$
  
 $\chi = \chi_0 - P$   
 $\chi = \chi_0 - P$   
 $\chi = \chi_0 + P$ 

=> 
$$x_{0}+p-(y_{0}-p)-(z_{0}-p)+y=0$$
  
 $3.p+(x_{0}-y_{0}-z_{0}+4)=0$   
 $p=-\frac{x_{0}-y_{0}-z_{0}+4}{3}$  =>  $x_{0}=-\frac{z_{0}-y_{0}-z_{0}-y_{0}}{3}$   
 $y'=\frac{z_{0}}{y_{0}}-(-\frac{x_{0}-y_{0}-z_{0}+4}{3})$   
 $z'=z_{0}-(-\frac{x_{0}-y_{0}-z_{0}+4}{3})$ 

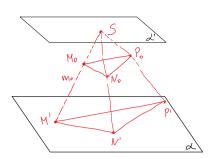
MEHTPANHO MPOEKTUPAHE

L-проекционна равнина



## WEHTPANHO MPOEKTUPAHE

L-проекционна равнина 5 - npoexyuotet yettop 522! L'{ZS TONWER OT L'HAMET OSPOSE NOW WENTPEARHOFD проектиране с 4-р 5 върхух



4 3ag. ALC DXYZ

? анаштично представяне на щентрално проектиране на пространствого с 4-р 5 вгрху 2.

$$M'= M_0 \wedge A = 7$$
 $X = 2 + (x_0 - 2) \cdot t$ 
 $Y = 0 + Y_0 \cdot t$ 
 $z = 1 + (z_0 - 1) \cdot t$ 
 $x - y + 2z - 1 = 0$ 

$$X = 1 + (4, -1), +$$

$$2+(x_0-2).t-y_0.t+2.(1+(2-1)t)-1=0$$

$$\pm .(x_0-2-y_0+2z_0-2)+(3)=0$$

$$t.(x_0-y_0+2.z_0-4)+3=0 => t=-\frac{3}{x_0+3.z_0+3} -> m_0$$

$$\frac{2 + (x_0 - 2) \cdot t - (x_0 \cdot t + 2 \cdot (1 + (z_0 - 1)t) - 1 = 0)}{t \cdot (x_0 - 2 - y_0 + 2 \cdot z_0 - 4) + 3 = 0} = 0$$

$$t \cdot (x_0 - y_0 + 2 \cdot z_0 - 4) + 3 = 0 = 0$$

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Контролно по Геонетрия: 02.06, гряда, 16:30 Освобондаване от пискен изпит с ощенка > 4,50