$$\vec{m}_{1} = \begin{bmatrix} -5 & -6 & 6 \end{bmatrix}^{T}$$

$$= \begin{bmatrix} -6 & 6 \end{bmatrix}^{T}$$

$$= \begin{bmatrix} -10 & -5 & -10 \end{bmatrix}^{T}$$

$$= \begin{bmatrix} -10 & -5 & -10 \end{bmatrix}^{T}$$

$$= \begin{bmatrix} -10 & -5 & -10 \end{bmatrix} \begin{bmatrix} -35 \end{bmatrix} c$$

$$-5 \times + (-6) + 62 - 10 = 0$$

$$-10 \times -5 + 10 = 0$$

$$-5 \times -67 - 10 = 0$$

$$-10 \times -57 - 10 = 0 = 57 = -10x - 10 / 5$$

$$7 = -2x - 2$$

$$-5x - 6(-2x-2) - 10 = 0$$

$$-5x + 12x + 12 - 10 = 0$$

$$+7x + 2 = 0$$

$$x = -\frac{2}{7}$$
 $y = \frac{4}{7} - 2 \Rightarrow y = -\frac{10}{7}$

(10002) Obredivanje povišine troduta - 20 slučaj

$$T_{1}(11,2)$$
 $T_{2}(17,0) =)$ Prosimo a 3D
 $T_{2}(17,0,0)$
 $T_{3}(3,7)$
 $T_{3}(3,7,0)$

$$\overline{S}_{12} = \begin{bmatrix} 6 \\ -2 \\ 0 \end{bmatrix}$$

$$\overline{S}_{13} = \begin{bmatrix} -8 \\ 5 \\ 0 \end{bmatrix}$$

$$\overline{S}_{12} \times \overline{S}_{13} = \begin{bmatrix} 6 \\ 2 \\ -8 \end{bmatrix} = \begin{bmatrix} 0 \\ 0 \\ 14 \end{bmatrix}$$

$$|| \begin{bmatrix} 0 \\ 14 \end{bmatrix}|| = \begin{bmatrix} 16^{2} \\ 14 \end{bmatrix} = 16$$

$$Q = \frac{14}{2} = 7$$

$$\vec{\mathcal{O}}_{12} = \begin{bmatrix} 0 \\ 0 \\ 4 \end{bmatrix}$$

$$\vec{\mathcal{O}}_{12} = \begin{bmatrix} 0 \\ 0 \\ 4 \end{bmatrix} \qquad \vec{\mathcal{O}}_{23} = \begin{bmatrix} -15 \\ 13 \\ 5 \end{bmatrix}$$

$$P = \frac{\|\vec{v}_{12} \times \vec{v}_{23}\|}{2}$$

$$P = \frac{||\vec{v}_{12} \times \vec{v}_{23}||}{2}$$

$$\vec{v}_{12} \times \vec{v}_{23} = \begin{vmatrix} \vec{v}_{13} & \vec{v}_{13} & \vec{v}_{13} \\ -60 & 4 \\ -15 & 13 & 5 \end{vmatrix} = \begin{vmatrix} -60 \\ 0 \end{vmatrix}$$

$$\| \tilde{v}_{12} \times \tilde{v}_{23} \| = \sqrt{(52)^2 + (60)^2} = 79.3977$$

$$P = \frac{79.3577}{2} = 39.699$$

(DCO4) (3D) Sporte due prove a parameterson of the
$$G_1 = [t \ 1] \begin{bmatrix} -1 & 4 & 4 & 0 \\ -2 & 1 & 1 & -1 \end{bmatrix}$$
 $G_1 = [t \ 1] \begin{bmatrix} 1 & 2 & 2 & 0 \\ -1 & 2 & -2 & -2 \end{bmatrix}$
"Ulsigno honogen boosdingto > 2 and podjelino > nja
 $G_1 = [t \ 1] \begin{bmatrix} -1 & 1 & 1 & 0 \\ 2 & -1 & 1 & 1 \end{bmatrix}$ $G_2 = [t \ 1] \begin{bmatrix} 1 & 2 & 2 & 0 \\ -1 & 2 & 2 & 0 \end{bmatrix}$

Izracunam doch > 2a t lod Gr. starino R, alod Gr. A

 $T_1 = [-A^{1/2} \ 1 - 1 & 1 & 1 \end{bmatrix}$ $T_2 = [A^{1/2} \ 1 - 1 & 2]$

Izracunam vijednosto docala

 $-R + 2 = \mu + 0.5 = \lambda = -\lambda + 1.5$
 $\Lambda - 1 = 2\mu + 1 \Rightarrow \lambda - 1 = -2\lambda + 1.5$
 $\Lambda - 1 = 2\mu + 1 \Rightarrow \lambda - 1 = -2\lambda + 1.5$
 $\Lambda - 1 = 2\mu + 1 \Rightarrow \lambda - 1 = -2\lambda + 1.5$
 $\Lambda - 1 = [-3 - 2] = [-3 - 1]$
 $T_1 = [-3 - 2] = [-3 - 1]$
 $T_2 = [-3 - 3 - 2] = [-3 - 1]$
 $T_3 = [-3 - 3 - 2] = [-3 - 1]$

T =
$$\begin{vmatrix} 3 & 2 & 3 \\ 0 & 0 & 3 \end{vmatrix} = \begin{bmatrix} 6 \\ -9 \\ 0 \end{bmatrix} = 3$$
 Homogena je o
Voële je n berkongënosti

$$G_{12} \dots \begin{bmatrix} 2 \\ 2 \\ 2 \end{bmatrix}$$

$$T = \begin{vmatrix} 3 & -1 & 1 \\ 2 & 2 & 2 \end{vmatrix} = \begin{bmatrix} -4 \\ 8 \end{bmatrix}$$

(ID 005) Speciste dua pravea - parametars. oblish

$$G_1 = [t \ 1] \begin{bmatrix} 1 & 4 & 0 \\ 176 & 40 & 961 \end{bmatrix}$$
 $G_2 = [t \ 1] \begin{bmatrix} 7 & -1 & 0 \\ 4 & 30 & 34 \end{bmatrix}$
 T_{S-} pocetra toolo

 T_{S-} pocetra toolo

 T_{S-} toolo

 T_{S-} [4 30 34]

 T_{S-} [77 44 96]

 T_{E-} [77 44 96]

 T_{E-} [78]

 T_{E-} [78]

$$G_{1} = \begin{vmatrix} 76 & 40 & 96 \\ 77 & 49 & 96 \end{vmatrix} = \begin{vmatrix} -384 \\ 96 \\ 264 \end{vmatrix}$$

$$G_{2} = \begin{vmatrix} 4 & 30 & 34 \\ 4 & 31 & 34 \end{vmatrix} = \begin{vmatrix} -34 \\ 4 \\ 31 & 34 \end{vmatrix}$$

$$X = G_1 \times G_2 = \begin{vmatrix} -384 & 96 & 264 \\ -34 & 6 & 4 \end{vmatrix} = \begin{vmatrix} -384 & 7446 \\ 3264 \end{vmatrix}$$

(10006) Chred ivarije odnosa točle i poligona

- trolut-

$$V_1(-1,3)$$
 $V_2(-6,-8)$
 $V_3(-7,1)$
 $V_3(-7,1)$
 $V_3(-7,1)$
 $V_4(-6,-8)$
 $V_5(-7,1)$
 $V_7(-7,1)$
 $V_8(-6,-8)$
 $V_8(-7,1)$
 $V_8(-7,1)$

$$G_1 = \begin{vmatrix} 1 & 3 & 1 \\ -6 & -8 & 1 \end{vmatrix} = \begin{vmatrix} 1 & 1 & 1 \\ -5 & 6 & 2 \\ 26 & 6 & 2 \end{vmatrix}$$

$$G_{2} = \begin{vmatrix} -6 & -8 & 1 \\ -7 & 1 & 1 \end{vmatrix} = \begin{vmatrix} -9 & 9 \\ -1 & 6 \\ -62 & c \end{vmatrix}$$

$$T_1 \cdot G_2 = [10 -1 \ 1] \begin{bmatrix} -9 \\ -62 \end{bmatrix} = -151 =) is pod$$

$$T_1 \cdot G_3 = [10 - 1] \cdot G_3 = -46 =) ispod$$

(10006) Charativamia admoss to the i poligonal

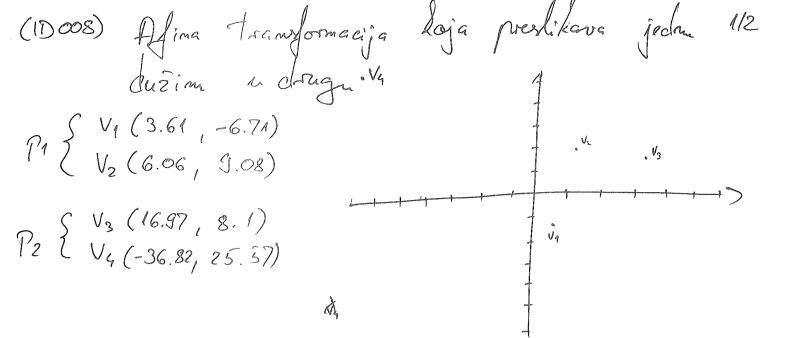
- Sonvelsan to the poligonal

$$V_1(G_1-2)$$
 $L(V_1, V_2, V_3, V_4) = > CW$
 $V_2(7,-8)$
 $V_3(-2,4)$
 $V_4(1,7)$
 $V_4(1,7)$
 $V_4(1,7)$
 $V_4(1,7)$
 $V_5 = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 6 & 2 & 1 & 1 \\ 7 & -8 & 1 & 1 \end{bmatrix} = \begin{bmatrix} 6 & 1 & 1 \\ 1 & 1 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 6 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 6 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 6 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 6 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 6 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 6 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 6 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 6 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1 & 2 & 1 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 1 \\ 1$

(1006) Objectivency almost took : polygona - Kondavan Cetverolut-

$$V_{1}(6,7)$$
 $L(V_{1}, V_{2}, V_{3}, V_{4})$
 $V_{2}(-5,-1)$
 $V_{3}(-4,2)$
 $V_{4}(-2,2)$
 $V_{4}(-2,2)$
 $V_{4}(-2,2)$
 $V_{5}(-4,7)$
 $V_{5}(-4,7$

(10006)



$$V_2 = \sqrt{9}$$
 2.45 15.79 17

$$\vec{U}_{34} = \begin{bmatrix} -36.82 - 16.97 & 25.57 - 8.1 \end{bmatrix} = \begin{bmatrix} -53.79 & 17.47 \end{bmatrix}$$

$$V_2^{14} = \begin{bmatrix} -53.79 & 17.47 & 4 \end{bmatrix}$$

$$V_{1}^{NHH} = [16.97 8.1 7]$$

$$V_2^{'V} = \begin{bmatrix} -36.82 & 25.57 & 1 \end{bmatrix}$$

$$T = T_1 \cdot T_2 \cdot T_3 \cdot T_4 = \begin{bmatrix} 4 & 0 & 1 \\ 0 & 1 & 0 \\ 3.61 & 6.71 \end{bmatrix} \begin{bmatrix} 1 & 0 & 0 \\ 2.45 & 0 & 0 \\ 0 & 15.79 & 0 \\ 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} -53.79 & 0 & 0 \\ 0 & 1.47 & 0 \\ 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$

$$T = \begin{bmatrix} 21.95 & 0 & 6 & -21.9551 & 0 & 0 \\ 0 & 1.1063 & 0 & 0 & 1.1063965 & 0 \\ 211.15 & 125.32 & 1 & 96.2279 & 15.5239 & 1 \end{bmatrix}$$

(10009) Signific proved i reprime

Descript 2 2-10

G= [T i]
$$\begin{bmatrix} 2 & 2-1 & 0 \\ -1 & 1 & 1-2 \end{bmatrix}$$
 $A = [T + 7d]$
 $A = [T + 7d]$

$$T = T_{5} + (-\frac{9}{10}) d$$

$$T = [-0.5 - 0.5 - 0.5] + (-\frac{9}{10}) [-\frac{2}{3}] =$$

$$T = [-0.1 - 1.1 - 0.2]$$

(10009) Speciste proves i restrict Proves is personne torsion oblides

Restrict 2 ada q personne torsion oblides

$$G = [T \ 1] \begin{bmatrix} 1 & -1 & 2 & 0 \\ -2 & -2 & -2 & -1 \end{bmatrix} \Rightarrow T_S = [-2 & -2 & -2 & -1]$$

$$T_S = [2 & 2 & 2 & 1]$$

$$T_S = [2 & 2 & 2 & 1]$$

$$T_S = [2 & 2 & 2 & 1]$$

$$T_S = [2 & 2 & 2 & 1]$$

$$T_S = [2 & 2 & 2 & 1]$$

$$T_S = [2 & 2 & 2 & 1]$$

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$$T_S = [2 & 2 & 2 & 1]$$

$$T_S = [2 & 2 & 2 & 1]$$

$$T_S = [2 & 2 & 2 & 1]$$

$$\mathcal{R} \cdot \mathcal{E} \cdot \mathcal{D} = 0$$

$$\mathcal{R} \left(T_S + \mathcal{N} \cdot \mathcal{R} \right) + \mathcal{D} = 0$$

$$\mathcal{R} T_S + \mathcal{N} \cdot \mathcal{R} \cdot \mathcal{D} = 0$$

$$T = \begin{bmatrix} 2 & 2 & 2 & 1 \end{bmatrix} + 2 \begin{bmatrix} 1 \\ -1 \end{bmatrix} = \begin{bmatrix} 4 & 0 & 6 & 1 \end{bmatrix}$$

$$T(-14,12)$$
 $y=\frac{9}{8}x+\frac{4}{8}$

$$y = \frac{9}{8}x + \frac{1}{2}$$

 $l_2 = -\frac{1}{21} = -\frac{8}{9}$

$$y-y_1=8(x-x_1)$$

$$Y-12 = -\frac{8}{9}(x+14)$$

$$Y = -\frac{8}{9}x - \frac{112}{9} + 12$$

$$Y = -\frac{8}{9}x - \frac{4}{9}$$

$$\frac{9}{8} \times \frac{4}{8} = -\frac{8}{9} \times \frac{4}{9} / . 72$$

$$\triangle = \left(-14 + 0.4689655 \right)^2 + \left(12 + 0.027586 \right)^2$$

$$\int \Delta = 18.0039$$

(15) 020) Odaljenost dva prava - 3D slučaj

$$G_{1} = [t \ 1] \begin{bmatrix} -9 & 14 & -5 & 0 \\ -14 & -7 & -2 & 1 \end{bmatrix}$$
 $V = [t \ 1] \begin{bmatrix} 13 & -1 & -2 & 0 \\ -14 & -7 & -2 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 13 & -1 & -2 & 0 \\ 10 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 13 & -1 & -2 & 0 \\ 10 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 13 & -1 & -2 & 0 \\ 10 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 13 & -1 & -2 & 0 \\ 14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 13 & -1 & -2 & 0 \\ 14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ 14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ 14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ 14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -2 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -2 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -2 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14 & 1 \end{bmatrix}$
 $V = [t \ 1] \begin{bmatrix} 14 & -1 & -2 & 0 \\ -14 & 7 & -14$

(10021) Bilinearna intespolacija - složemiji slučaj $V_{i}(0.62, 0.07) = 0.00$ V_(0.40, 0.53) =? V2(0.73,0.49) = 13.00 V, (0.62, 0.49) = 7.00 V,(0.73,0.07)=14.60 V1 = 0 + 7 7 -0.07 N=7-70 V1 = N* 16.666 $U_2 = 14 + 2 \frac{13-14}{259-0.07}$ U, (0.55) = (0.55-0.07). 16.666 U1(0,55) = 7.99968 $U_2 = 14 - 2.38095 \chi$ Uz (0.55) = 14-2.38095 (0.55-0.07) M=X-Xo U7 (0.55) = 12.857149 h = 7.99968 + 4 -0.73-0.62 12.857144 - 7.99568 h= 7.99968+ m 44. 15876364 h(0.40) = 7.99968+ (0.40-0.62) 44.15876364 / L(6.40) = -1.715248/

$$\begin{array}{c}
T_{2} \\
t_{1} \begin{bmatrix} 2 \\ 2 \\ 1 \end{bmatrix} + t_{2} \begin{bmatrix} 14 \\ 2 \\ 1 \end{bmatrix} + t_{3} \begin{bmatrix} 12 \\ 18 \\ 1 \end{bmatrix} = \begin{bmatrix} 10 \\ 6 \end{bmatrix} =) t_{1} = \frac{7}{24}, t_{2} = \frac{11}{24}, t_{3} = \frac{1}{4} \\
t_{72} \left(89, 132, 79 \right)_{1}
\end{array}$$

$$M = V_{AB} \times V_{AC} = [31.836 \quad 0.005 \quad 32.93]^{T}$$

2. Implicitai oblid savnine

$$Ax + By + Cz + D = 0 = D = -Ax - By - Cz = -m^2 + T^2$$

$$M = \begin{bmatrix} A \\ B \\ C \end{bmatrix}$$

$$D = -\begin{bmatrix} 31.836 \\ 0.005 \end{bmatrix} \cdot \begin{bmatrix} 4.93 & 1.30 \end{bmatrix}$$

$$M = \begin{bmatrix} A \\ B \\ C \end{bmatrix}$$

$$D = \begin{bmatrix} 31.836 \\ 0.005 \\ 32.93 \end{bmatrix} \cdot \begin{bmatrix} 4.93 & 1.30 & -4.77 \end{bmatrix} = 0.11812$$

3. Jednadzba pravca

$$\vec{d} = \frac{\vec{l}_E - \vec{l}_S}{|\vec{l}_E - \vec{l}_S|} = \vec{d} = \frac{0.0299 - 0.145}{174.36}$$

$$\vec{d} = \frac{\vec{l}_E - \vec{l}_S}{|\vec{l}_E - \vec{l}_S|} = 0.150$$

$$34.11$$

4. Probodiste

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$$\vec{n} \cdot \vec{t} + \vec{D} = 0 \implies \vec{n} (\vec{1}_{S} + \vec{1}_{S} \vec{d}) + \vec{D} = 0 \implies \vec{n} \vec{1}_{S} + \vec{n} \cdot \vec{n} \vec{d} + \vec{D} = 0$$

$$\Rightarrow \vec{n} = (\vec{n} \cdot \vec{1}_{S} + \vec{D}) = 298.63 + 0.118 = 48.114 \qquad 7 \neq 0 \implies \text{ima projekt}$$

$$\frac{2}{3} = P = (3.04, -2.64, 6.13)$$

$$\frac{7}{6} \left\{ = \left[3.04 - 2.64 - 6.13 \right] + \left[-1.177 + 1.217 - 7.935 \right] \right.$$

$$\frac{6}{6} \left[-\left[4.217 - 3.857 - 14.065 \right] \right.$$

$$\frac{7}{6} \left[-\left[1.863 - 1.423 - 1.805 \right] \right]$$

$$\begin{bmatrix} 1.863 \\ -1.423 \\ -1.865 \end{bmatrix} = t_1 \begin{bmatrix} 4.93 \\ 1.30 \\ -4.77 \end{bmatrix} + t_2 \begin{bmatrix} -6.24 \\ -5.95 \\ 6.03 \end{bmatrix} + t_3 \begin{bmatrix} 2.26 \\ -3.42 \\ -2.13 \end{bmatrix}$$

$$t_1 = 0.687$$
 $t_2 = 0.295$
 $t_3 = 0.155$
Sue Garice

t₁=0.687

t₂=0.295

Sue Gericentrière Loosdinete m

t₃=0.155

Sue Gericentrière Loosdinete m

(10027) Ispitivame toche Mandelbahovog skupa (0.0,0.0) - (800.0,600.0) x,4 E = 234 (-2.0, -1.0) - (0.25, 1.0) M, V iteracija nex 8 (x', Y') = (304, 274)Zo =0 $\mu = \frac{x - x_{min}}{x_{max} - x_{min}} \left(M_{max} - M_{min} \right) + M_{min} = \frac{304}{800} (2.25) - 2.0 = -1.145$ U= \frac{4'-4min}{7max-7min} (2max-2min) + Vmin = \frac{274}{600} (2.0) - 1.0 = 0.087 7=-1.195-0.0871 20=0 Z, = -1.145 - 0.087 i Si2 = 1.318599 Z2 = 0.158456 + 0.11223; $z_3 = -1.132487 - 0.05143297 i$ Z, = 0.13488+0.02999; 25 = -1.12767 - 0.079 i 26 = 0.1204 +0.09127;

27 = -1.1388 -0.065:

Z8 = 0.1477 + 0.06109;

tossa aje probila eprilo => PRIPADA SKUPU (10040) Speciste impliatre i parametarshe ravnime

$$\frac{57}{M_2} = \begin{vmatrix} 10 & -10 & -6 \\ -7 & -10 & 2 \end{vmatrix} = \begin{vmatrix} -80 \\ 22 \\ -170 \end{vmatrix}$$

$$\vec{m}_1 = [-5 \ 1 \ 5]^T$$

$$30x = -1424$$

$$0.35 \begin{bmatrix} -3 \\ 9 \end{bmatrix} + 0.47 \begin{bmatrix} -9 \\ 6 \end{bmatrix} + 0.18 \begin{bmatrix} -9 \\ -10 \end{bmatrix} = \begin{bmatrix} \times \\ 7 \end{bmatrix}$$

$$X = -3.0.35 - 9.0.47 + 9.0.18 =] -3.66]$$

 $Y = 9.0.35 + 6.0.47 + 10.0.18 =] 4.17]$

(10044) Interpolacija boricentričnih koordinata

$$t_2 = 0.5$$

$$C(5,-7)$$

$$V_e = [0.67 - 0.73]$$

$$V_{7} = [0.6353 - 0.7333]$$

$$0.06 \begin{bmatrix} 3 \\ 2 \end{bmatrix} + 0.5 \begin{bmatrix} -6 \\ -6 \end{bmatrix} + 0.43 \begin{bmatrix} 5 \\ -7 \end{bmatrix} = \begin{bmatrix} x \\ y \end{bmatrix}$$

$$X = 0.06.3 + 0.5.0 + 0.43.5 = 2.33$$

 $Y = 0.06.2 + 0.5(-6) + 0.43(-7) = -5.89$

(10054) Odrectivanje Baricenter Smith Loosalinates

$$V_1 = (-4, -3, -5)$$

$$V_2 = (0, -3, 3)$$

$$\frac{1}{4} \begin{bmatrix} -4 \\ -3 \\ -5 \end{bmatrix} + \begin{bmatrix} 0 \\ -3 \\ 3 \end{bmatrix} + \begin{bmatrix} 0 \\ -3 \\ -3 \end{bmatrix} = \begin{bmatrix} 3.35 \\ -0.25 \\ 4.2 \end{bmatrix}$$

Sustas jednoctili > lallatar da sredi

$$t_2 = \frac{221}{240} = 6.9208$$

$$t_3 = \frac{11}{12} = 0.9169$$

Transformacija 12 globalnog u Polalni 200 mestar (D059)

$$O = (O, O)$$

$$O_1 = (O, G)$$

$$P = \frac{5}{6} \text{ Tr sad}$$

$$R_1 = 2 m_2$$

x=[1,0]

9=[0 1]

T= (5,-1)

$$\Delta \gamma = -4$$
)
 $T' = (5, -5)$

$$Q = \begin{bmatrix} \cos l & \sin l & o \\ -\sin l & \cos l & o \\ 0 & 0 & 1 \end{bmatrix}$$

$$S = \begin{bmatrix} 2 & 0 & 0 \\ 0 & 2 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$

$$7''' = \overline{[-13.66]}$$
 3.66

(15 059) Transfermacija is lobalnog u zlobali koo
$$O=(0,0)$$
 $O_1=(-2,-3)$ $1=\sqrt{7}$ and $1=\sqrt{7}$ $1=\sqrt{1}$ of $1=\sqrt{7}$ and $1=\sqrt{7}$ $1=\sqrt{1}$ of $1=\sqrt{1}$ $1=\sqrt$

$$T'' = [-0.933 \quad 0.616 \quad 1]$$
 $T'' = [-2.933 \quad -2.383 \quad 1]$

(1D 0606) Ljudisho do i percepcija intenziteka

Braj razina - 128

0.018

107 = 1

130 = ?

$$l_{j} = (l_{0})^{1-\frac{1}{127}} = 0.018^{1-\frac{30}{127}} = 0.0461959$$

BROY RAZINA -1

$$\cos x = \frac{\hat{a} \cdot \hat{b}}{y \hat{a} u \cdot \hat{b} u}$$

$$\vec{G} = \frac{\vec{b}}{||\vec{b}||} \cdot ||\vec{a}|| \cdot \cos x = \frac{\vec{b}}{||\vec{b}||} \cdot ||\vec{a}|| \cdot \frac{\vec{a} \cdot \vec{b}}{||\vec{a}|| ||\vec{c}||}$$

$$\vec{G} = \vec{Q} \cdot \frac{\vec{Q} \cdot \vec{Q}}{|\vec{Q}|^2} = \vec{Q} \cdot (-0.1773759462)$$

$$\vec{G} = \begin{bmatrix} -15.78645921 & -11.17468461 \end{bmatrix}$$

$$\vec{v} = \vec{k} \cdot 0.6593912025$$