## GRANICE

$$\overline{M}_{12}$$
  $(\overline{B}_2 - \overline{B}_1) = 0$ 

$$\overline{M}_{12} \times (\overline{H}_2 - \overline{H}_1) = \overline{K}$$

$$\overline{N}_{n}\left(\overline{D}_{2}-\overline{D}_{A}\right)=\overline{U}$$
 $\overline{N}_{n}\left(\overline{E}_{2}-\overline{E}_{1}\right)=0$ 

1115 
$$\bar{D}_{1} = 2\bar{\alpha}x - 2\bar{\alpha}y + 4\bar{\alpha}z + (-1)^{2}$$
,  $\bar{E}_{11} = 2$  2<0 grawica je ravum 2=0  $\bar{E}_{12} = ?$   $\bar{E}_{12} = ?$   $\bar{E}_{13} = 5$  270  $\bar{E}_{14} = \bar{\alpha}z$   $\bar{E}_{15} = ?$   $\bar{E}$ 

$$\overline{D} = \varepsilon \overline{\varepsilon}$$

$$\overline{\varepsilon}_{1} = \frac{\overline{D}_{1}}{\varepsilon_{1}}$$

$$\overline{\varepsilon}_{2} = x \overline{\alpha} x + y \overline{\alpha} y + z \overline{\alpha} z$$

$$\overline{\varepsilon}_{3} = x \overline{\alpha} x + y \overline{\alpha} y + z \overline{\alpha} z$$

$$\overline{D_2} = \mathcal{E}_0 \mathcal{E}_{12} \overline{\mathcal{E}}_2 = \mathcal{E}_0 (5 \times \overline{a} \times + 5 y \overline{a} y + 5 + \overline{a} z)$$

(i) 
$$\overline{n}_{11}(\overline{D}_{2}-\overline{D}_{1})=\overline{0}$$
  
(ii)  $\overline{n}_{11}(\overline{D}_{2}-\overline{D}_{1})=0$   
(i)  $\overline{n}_{12}\times(\overline{E}_{2}-\overline{E}_{1})=0$   
 $\overline{n}_{2}(56\times -2)\overline{n}_{2}+(56\times +2)\overline{n}_{3}+(56\times -4)\overline{n}_{2}=0$   
 $\overline{5}$ 

(2) 
$$\left|\begin{array}{ccc} \overline{a}x & \overline{a}y & \overline{a}z \\ \hline \end{array}\right| = 0$$
  $\left|\begin{array}{ccc} \overline{a}x & \left(-y - \frac{2}{\epsilon_A}\right) - \overline{a}y & \left(-x + \frac{2}{\epsilon_A}\right) = 0 \\ \hline \end{array}\right|$ 

(2) 
$$\begin{vmatrix} ax & ay & a\xi \\ & & & \\$$

$$V_{RB} = \int \overline{E}_{1} d\overline{e} = \frac{1}{\varepsilon_{0}} \left[ \left( \int dx - \int dy + \frac{y}{5} \int d\overline{f} \right) \right] = \frac{1}{\varepsilon_{0}} \left( 1 + \frac{y}{5} \right) = \frac{9}{5\varepsilon_{0}} V.$$

11-07

$$\widehat{\epsilon}_1 = 2\widehat{a} \times - S\widehat{a} + \widehat{a} + \widehat$$

$$\frac{A(0,1,0)}{B(1,0,0)} \quad \overline{AB} = \frac{(1-0)\overline{ax} + (0-1)\overline{ay}}{T2}$$

$$\overline{AB} = \overline{ax} - \overline{ay}$$

$$\overline{AB} = \overline{AB} = \overline{AB}$$

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$$V_{AB} = P_A - P_B = -\int_{B} E d\bar{u} = E_{T_1} |A_B| = \frac{1}{62}, (2 = 7)$$

3. 
$$400 \quad K_{1}=0$$
,  $E_{11}=1$ ,  $\mu_{12}=4$   $E_{1}=B_{2}(2\bar{a}_{x}+4\bar{a}_{y}+5\bar{a}_{z})$   
 $4<0 \cdot K_{2}=0$ ,  $E_{11}=1$ ,  $\mu_{12}=2$   $E_{22}=?$ 

$$\overline{E} = \frac{B_0}{\mu_0} \left( \overline{a_X} - 2\overline{a_Y} \right) \qquad \overline{n} = -\overline{a_Z} \qquad \frac{2>0}{2} \sqrt{m_1}$$

$$\overline{M}_{12}(\overline{B}_2 - \overline{B}_A) = 0$$
 (1)  $\overline{B}_2 = \overline{B}_0(\times \overline{a} \times + y \overline{a} y + \overline{a} \overline{a} x)$   $\overline{B}_2 + \overline{B}_0(\times \overline{a} \times + y \overline{a} y + \overline{a} x)$   $\overline{B}_2 + \overline{B}_0(\times \overline{a} \times + y \overline{a} y + \overline{a} x)$ 

(1) 
$$-\overline{q_2} \cdot B_3((x-2)) = 0$$
  
 $-(2-5) = 0$ 

(2) 
$$\overline{N}_{11} \times (\overline{H}_{2} - \overline{H}_{1}) = \overline{E}$$
  $\overline{H}_{2} = \frac{B_{0}}{P_{2}} \left( \times \overline{ax} + y^{0}y + 7\overline{a}z \right)$ 

$$\overline{H}_{1} = \frac{B_{1}}{P_{1}} = \frac{B_{0}}{4} \left( 2\overline{ax} + y^{0}y + 7\overline{a}z \right)$$

$$a_{x}\left(\frac{9}{2}-1\right)-a_{y}\left(\frac{1}{2}x-\frac{4}{2}\right)=a_{x}-2a_{y}$$

$$\frac{9}{2}-1=1$$

$$\frac{-2}{2}x+\frac{1}{2}=-\frac{2}{2}$$

$$y=4$$

$$-x+1=-4$$

$$x=5$$

$$\overline{B}_2 = B_0 \left( \overline{5ax} + 4\overline{ay} + \overline{5az} \right) + \sqrt{m}$$

$$\overline{H}_2 = \frac{B_2}{2h_0}$$

$$\mathcal{E}_{11} = 2$$
 $\mathcal{E}_{1} = \overline{ax} - \overline{ay} - 3\overline{az} \quad V/w$ 
 $\mathcal{E}_{12} = 5$ 
 $\mathcal{E}_{11} = \overline{ax} - \overline{ay} - 3\overline{az} \quad V/w$ 

addrojai numom y+27-2=0

$$\overline{M_{12}} = \frac{\overline{a_y} + 2\overline{a_2}}{\sqrt{5}}$$

$$\overline{D_1} = \mathcal{E} \, \mathcal{E}_1$$

$$\overline{D_1} = 2 \, \mathcal{E}_0 \left( \overline{a_X} - 2 \overline{a_Y} - 3 \overline{a_Z} \right)$$

(1) 
$$\overline{\eta}_{12}(\overline{D}_{2}-\overline{D}_{A})=0$$
  
 $\overline{\eta}_{12}(\overline{D}_{2}-\overline{D}_{A})=0$ 

$$E_{\Lambda M} = \overline{E_{\Lambda}} \cdot \overline{M} = \frac{-2-6}{100} = \frac{-8}{100}$$

$$E_{\Lambda \pm} = E_{\Lambda} - E_{\Lambda M} = \frac{Sax - 2ay + az}{5} = Ezt$$

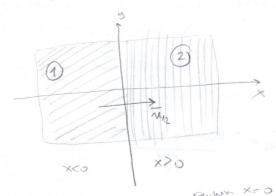
(3,5,7) pc u0

$$E_2 = \sqrt{\frac{25}{25}}^2 + \left(\frac{26}{15}\right)^2 + \left(\frac{15}{15}\right)^2 = 1.8$$

gustica energye: 
$$\omega = \frac{1}{2} E_z E_z$$

$$W=\frac{1}{2}\iiint_{V}(\bar{D}.\bar{E})dV=\frac{1}{2}\int_{V} EE^{2}dV$$

$$\bar{k} = \bar{a}y \frac{0.11}{100} - \bar{a}z \frac{0.2}{100}$$



1) 
$$\overline{M}_{12} = \overline{G}_{2} - \overline{B}_{1} = 0$$

$$\overline{a}_{X} \left( (1-x) \overline{a}_{X} + (-0.5-y) \overline{a}_{Y} + (1-2) \overline{a}_{2} \right) = 0$$

$$1 - x = 0 \Rightarrow x = 1$$

2) 
$$M_{12} \times (H_2 - H_1) = | \overline{\alpha} \times \overline{\alpha} | \overline{\alpha} = | \overline{\alpha} \times \overline{\alpha} = | \overline{$$

$$\frac{2}{15} - \frac{1}{20} = \frac{01}{10} - \frac{01}{200} - \frac{9}{100} = -\frac{92}{10}$$

$$\frac{2}{15} - \frac{1}{20} = 0.1$$

$$\frac{0.15}{20} + \frac{9}{15} = \frac{0.2}{15}$$
 $y = \frac{21}{8} = \frac{2.625}{15}$ 

B4H1

Dra my materiale modera ravnino X+4+2=13 21 16/17 Ishdiste (0,0,0) se udaj v sredstv M=4, Q= ax-0.5 ay Doredio Be als p prz=1

B2 = Xax + yay + 2 az

-> SAMO NORMALA NA ZADANU RAVNINU

$$m_{12} = a_{X} + a_{Y} + a_{Z}$$

$$\frac{\overline{a_{X}+a_{y}+a_{z}}}{\overline{13}}\left((X-1)\overline{a_{X}}+(y+0.5)\overline{a_{y}}+z\overline{a_{z}}\right)=0/6$$

$$\frac{1}{13}$$
 $\frac{1}{13}$ 
 $\frac{1}{13}$ 

$$2-y-0.125=0$$
  $-2+x-0.25=0$   $y-x+0.375=0$