

$$E_{02} = \frac{5 \cdot 8 \cdot E_{03}}{8 \cdot 8 \cdot E_{02}} = 6 \cdot \frac{2}{8} = 2$$

$$2) \frac{1}{M_{02}} \times (E_{2}^{2} - E_{1}^{2}) = 0$$

$$-a_{2} \times (E_{32} + E_{32} a_{3}^{2} + E_{32} a_{4}^{2} - 2a_{3}^{2} + 3a_{3}^{2} - 5a_{2}^{2}) = 0$$

$$\begin{vmatrix} E_{32} - 2 \\ E_{32} - 3 \\ E_{33} - 3 \\ E_{34} - 3 \\ E_{35} - 3$$

$$\frac{1}{12} \frac{1}{12} \frac{1}{12} \frac{1}{12} = \frac{2a_{x}^{2} - 3a_{y}^{2} + 5a_{z}^{2} - 2a_{z}^{2} - 5a_{y}^{2}}{\sqrt{4 + 9 + 2i}} \cdot \frac{1}{12} = \frac{5}{\sqrt{34}}$$

$$\frac{1}{12} \frac{1}{12} \frac{1}{12} = \frac{2}{\sqrt{4 + 9 + 2i}} \cdot \frac{1}{12} = \frac{5}{\sqrt{34}}$$

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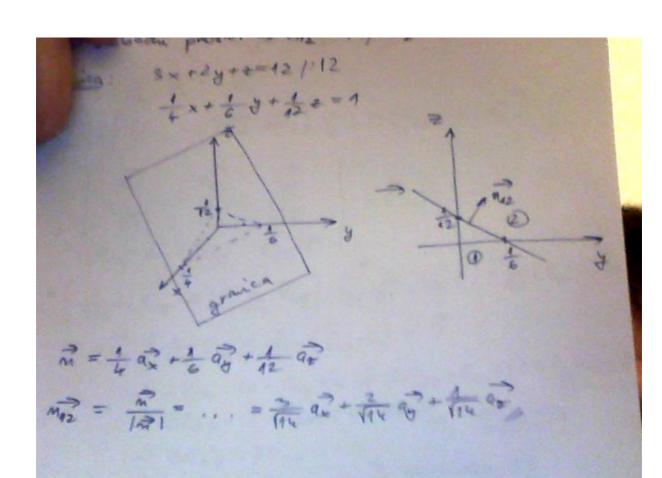
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(6)
$$\vec{p} = \xi_0 N_e \vec{E} = (\xi_r - 1) \xi_0 \vec{E} = \frac{1}{\xi_0 \xi_r} = \frac{1}{3} (1 - \frac{1}{\xi_r}) = \frac{1}{$$



1)
$$\vec{m}_{12} \cdot (\vec{D}_{3} - \vec{D}_{1}) = 0$$
 $\rightarrow \vec{S}_{2} = \epsilon_{0} \epsilon_{n_{1}} \epsilon_{n_{2}}$
 $\vec{D}_{1} = \epsilon_{0} \epsilon_{n_{1}} \epsilon_{n_{2}}$
 $(\vec{a}_{11} \vec{a}_{3} + \frac{2}{|\vec{n}_{11}|} \vec{a}_{0} + \frac{2}{|\vec{n}_{11}|} \vec{a}_{2}) \cdot (\vec{a}_{11} (\epsilon_{0} \epsilon_{n_{2}} \epsilon_{2x} - \epsilon_{0} \epsilon_{n_{1}} \epsilon_{n_{2}}) + \epsilon_{0} \epsilon_{n_{1}} \epsilon_{2x} - \epsilon_{0} \epsilon_{n_{1}} \epsilon_{2x}) = 0$
 $\vec{a}_{11} \cdot (\epsilon_{0} \epsilon_{n_{2}} \epsilon_{2x} - \epsilon_{0} \epsilon_{n_{1}} \epsilon_{2}) + \epsilon_{0} \epsilon_{n_{1}} \epsilon_{2x} + \epsilon_{0} \epsilon_{n_{1}} \epsilon_{2x}) = 0$
 $\vec{a}_{11} \cdot (\epsilon_{0} \epsilon_{n_{2}} \epsilon_{2x} - \epsilon_{0} \epsilon_{n_{1}} \epsilon_{2}) + \epsilon_{0} \epsilon_{n_{1}} \epsilon_{2x} + \epsilon_{0} \epsilon_{n_{1}} \epsilon_{2x} + \epsilon_{0} \epsilon_{n_{1}} \epsilon_{2x}) + \epsilon_{0} \epsilon_{n_{1}} \epsilon_{2x} + \epsilon_{0} \epsilon_$

$$\frac{1}{11} = \frac{1}{11} = \frac{1}{11}$$

$$\begin{vmatrix} \vec{a_{11}} & \vec{a_{12}} & \vec{a_{13}} & \vec{a_{14}} & \vec{a_{14}} \\ \vec{a_{14}} & \vec{a_{14}} & \vec{a_{14}} \end{vmatrix} = \vec{0}$$

$$|\vec{a_{14}}|^{2} = \vec{0}|^{2} =$$

(B) graving
$$3x+2=5$$
plucidiste $*(0) = D_1 = (4, 6ax + 3.2ax + 3.2ax$

ab D2x - 45 D2x D22 - 3.2 E. Era E. Erry E. Era E. Era E. Era 1 (- 1 D24)- 0 (10 (Folia - 3.2)- to (Eng) - to (Eng) + Q (3 Dex) = 0 3D24 - 96 - D24 - 45 -0 EEEn EEn EEn 6En $\frac{3D_{2+}}{\epsilon_{r_2}} = \frac{9.6}{\epsilon_{r_1}} = \frac{72x}{\epsilon_{r_2}} + \frac{4.5}{\epsilon_{r_3}} = 0$ $\frac{3D_{12}}{1.8} - \frac{9.6}{4.3} - \frac{32x}{1.8} + \frac{4.7}{4.3} = 0 / 7.74$ 12.9 Dzz - 17 28 - 4.3 Dzz + 8.1=0 -43D2x+12.9D2x=9.18 1) i 2) daju: (malo uvvštaraja) D2x = 4.79 65 D22= 2.3105 B2 = 4.7965 92 + 2.3105 98 13 1 = Thank

 $\frac{11 \text{ i 2} \text{ daju: (nalo uvvštavaja)}}{\text{D2x} = 4.7965}$ $\frac{3}{2} = 4.7965 \frac{3}{4.7965^2 + 2.3105 \frac{3}{4}}$ $\frac{3}{2} = \sqrt{4.7965^2 + 2.3105 \frac{3}{4}}$