MOY DIANEEH 3

ATTOO. 10 iornzers avricaza staons Da déiza non ro $\alpha_i \delta_{ii} = \alpha_i$ (1) Exósio: i ettaras., j'esciltos $(1) \implies \sum_{i=1}^{n} a_i \, \mathcal{J}_{i,1} = a_1$ $\frac{3}{2}$ $\alpha_i \cdot \delta_{i2} = \alpha_2$ $\sum_{i=1}^{3} a_{i} d_{i3} = a_{3}$ (4) $\sum_{i=1}^{\infty} \alpha_i \delta_{i1} = \alpha_1 \delta_{11} + \alpha_2$

(4) oppoins Equimon: Ti onmairer air $a_{ii} = \sum_{i=1}^{3} a_{ii} = a_{11} + a_{22} + a_{33}$ ETTOVA Mapader spaza aij Jij = ajj = aii ETTAVAJ. DOSOXN 111 i Etta va sa MB. apa $\delta_{ii} = \sum_{i=1}^{j} J_{ii} = J_{11} + J_{22} + J_{33} =$

$$\int_{ii} = \int_{kk} = \int_{jj} = 3$$

3)
$$\int_{ij} \int_{ij} = \sum_{i=1}^{3} \int_{i=1}^{3} \int_{i=1}^{3} \int_{i=1}^{2} \int_{i=1}^{$$

Angra.

Sij Sij = Sij = 3

Ornama ovvioudoes Siav. LEE orn fam 2E, e, e, e, s eiver ra u, c R T.w.

U = U,'e, +u2e2+u3e3

Ou. Av Li OK TOTE.

 $\alpha') \quad u_i = \mu \cdot e_i \quad (2)$

~ [/]) / / ·

β/ Aν επίσης
$$V = V_i e_i e_i$$
 $U \cdot V = U_i V_i = U_1 V_1 + U_2 V_2 + U_3 V_3$

(3)

Aποδ.

 $W = U_i e_i \Rightarrow U_i e_i$
 $W = U_i e_i \Rightarrow U_i e_i$

Aποδ.

 $W = U_i e_i \Rightarrow U_i e_i$

Aποδ.

 $W = U_i e_i \Rightarrow U_i e_i$
 $W = U_i e_i e_i$

opun) opropos OF Bolons

$$e_i \cdot e_j = 0ij$$
 $u \cdot e_j = u_i \cdot dij = u_j$
 $u \cdot e_j = u_i$
 $u \cdot v = u_i \cdot v_i$
 $v = v_i \cdot e_i$
 $v = v_i \cdot e_i$

5 w 000.

$$\underline{u} \cdot \underline{\vee} = (\underline{u}_i' \underline{e}_i') \cdot (\underline{\vee}_{\underline{k}} \underline{e}_{\underline{k}})$$

oudn'rote extes anoi.

$$= u_{i} e_{i} \cdot (\vee_{k} e_{k}) = u_{i} \vee_{k} e_{i} \cdot e_{k}$$

$$= e_{i} \cdot e_{k} = \int_{i} e_{k}$$

$$= u_{i} \vee_{k} e_{i} \cdot e_{k}$$

$$= u_{i} \vee_{k} e_{i} \Rightarrow (3)$$

Aornon Amoded 376 to Om

XWPIS MA BIE TTETE OMNERUSEUS.

$$Eijk = \begin{cases} +1, & (ijj,k) = apria & \text{ne-radeon} \\ & \text{Tov}(1,2,3) \end{cases}$$

$$= \begin{cases} -1, & (ijj,k) = \text{TTEpith Meradeon} \\ & \text{Tov}(1,2,3) \end{cases}$$

$$= \begin{cases} 0, & \text{Lattoioi atto} \quad i,j,k \text{ loowall} \end{cases}$$

 $\pi \times \mathcal{E}_{123} = 1 = \mathcal{E}_{231} = \mathcal{E}_{312} = 1$

$$E_{132} = E_{213} = E_{321} = -1.$$

$$E_{112} = E_{333} = E_{133} = \dots = 0.$$

$$1$$

$$2 \sum_{i} \sum_{k} \sum_{i} \sum$$

MITOPE'TE IN SEISEZE OU

$$A \times b = det$$
 $A \times b = det$
 $A \times b = d$

Tur d'ar, a, b e & Eivan o TAN asb, T.W.

$$(28b)x = (b.x)a$$
 $\forall x \in E$

Mapadersha. Eou ecE

Ti on maivei cere o TAN (exe); (eoe) u = (e·u) e

 $= (|\underline{e}| |\underline{u}| \cos \theta) \underline{e}$ $= (|\underline{e}| |\underline{u}| \cos \theta) \underline{e}$ $(\underline{e} \otimes \underline{e}) \underline{u} = |\underline{u}| \cos \theta \underline{e}$

To (ese) u circu n diavrogra ukci ttpoposy zon u ora a'zona e.

OTAN EDE Eiran Tarrothis Topobojus oror a Fora Tou E.

Aoknon 1) Deiste oun

Topopoly of enitedo me

kadero e (lel=1) eival P = 1 - eee

2) Brenze avzioronxo rútro

na envaragaon A us mos 20 eminero ne kadero e.