Принери за афонни Трансформации

1. Adoution Thatedoopmarsun 4:4 = idw, T.e. 3anasbar notockobo Deskpanitaren npaba.

Hera 4: 4(w)=w=>4(a)=a, kedero una a'=a uma a'lla. Hera 4 e sadaden czc (4), T.E.

M; (α; yi), i=1,2 ca δθε ραδιμάτω τουκή, M; (α; yi) = φ(Mi). Toraba M, M2 ΠΜ, Μ2 => M, Mi = 5 M, M2 =>

$$x_{2}^{1} - x_{1}^{1} = S(x_{2} - x_{1})$$
 => $y_{2}^{1} - y_{1}^{1} = S(y_{2} - y_{1})$

 $C_{11} \propto_2 + C_{12} y_2 + C_{15} - (C_{11} \propto_1 + C_{12} y_1 + C_{15}) = S(x_2 - x_1)$ => $C_{11}(x_2 - x_1) + C_{12}(y_2 - y_1) = S(x_2 - x_1)$ = $M_{21} \approx_1 + C_{12}(y_2 - y_1) = S(x_2 - x_1)$, $(y_2 - y_1)$ = $M_{22} \approx_1 + C_{12} y_2 + C_{15} = S(x_2 - x_1)$, $(y_2 - y_1)$ = $M_{21} \approx_1 + C_{12} y_2 + C_{15} = S(x_2 - x_1)$ = $M_{21} \approx_1 + C_{12} y_2 + C_{15} = S(x_2 - x_1)$ = $M_{21} \approx_1 + C_{12} y_2 + C_{15} = S(x_2 - x_1)$ = $M_{22} \approx_1 + C_{15} = S(x_2 - x_1)$ = $M_{21} \approx_1 + C_{15} = S(x_2 - x_1)$ = $M_{21} \approx_1 + C_{15} = S(x_2 - x_1)$ = $M_{21} \approx_1 + C_{15} = S(x_2 - x_1)$ = $M_{21} \approx_1 + C_{15} = S(x_2 - x_1)$ = $M_{21} \approx_1 + C_{15} = S(x_2 - x_1)$ = $M_{21} \approx_1 + C_{15} = S(x_2 - x_1)$

$$C_{21}(x_2-x_1) + C_{22}(y_2-y_1) = S(y_2-y_1) = S(y_2-y_1) = V_2 + (x_2-x_1) + (y_2-y_1) = U_3 + C_{12}(y_2-y_1) = O_3$$

$$\left[(C_{11}-S)(x_2-x_1) + C_{12}(y_2-y_1) = O_3 \right]$$

$$C_{21}(x_2-x_1) + (C_{22}-S)(y_2-y_1) = O_3.$$

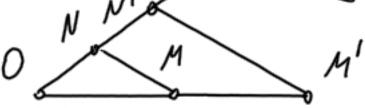
Toraba akanuturnoso mpederaleste ka 4
e 10. 1 x= sx + CB = 1=(50)x+B,

$$\psi: \begin{cases}
 x^{1} = Sx + C_{13}, x^{1} = (S_{0}^{0})x + \vec{p}, \\
 y^{1} = Sy + C_{23}, \vec{p}(C_{13}, C_{23}).$$

<u>Πρυμερ 1.</u> Aro 3 = 1, το θ ε πρακαναμια C. βεκτορ β (C13, C25), Μ ΜΜ' 11 β².

Achoe, re ano P=0, TO 4=ide.

<u>Nphmep2.</u> Aros ± 0 M Gs = Cr3=0, τ.e. \vec{p} = $\vec{0}$, το ψε σομοτετης c yentop 0.



B zacitioci, npou s=-1 4 e Metiparta curezone, M'SN' 0 M c reserve O. че афонна трансформация, защого $\Psi(U_a) = U_a$ и $\Psi(U_b) = U_b$ (от $b \neq a = >$ $U_b \neq Ma) = > \Psi(\omega) = \omega$.

Такива трансфорнации наригане Эшатация с оса, по в ими Эшатация по в с оса.

Housen da usoepen leopoliteositasa cuc-Tena Taka, te 0 = a lb, a = 0 y u b = 0 x3a. akanututkoto npedatabake kadukatayusta no 0 x c oe 0 y unane $\frac{1}{2}(2^{1}) - \frac{1}{2}(2^{1})(3^{1})$

Or loy) => 0= c.0+c.y+c.s y= c.1.0+c.y+c.s

=> G3=C23=0 NEAKTO M G12=0 M C22=1

$$=7 C = \begin{pmatrix} c_{11} & 0 \\ c_{21} & 1 \end{pmatrix}$$

$$OT C 1102c, \Psi(C) = C$$

$$= 2 \begin{pmatrix} \delta_1 & \delta_2 \\ \delta_1 & \delta_2 \end{pmatrix} = 2 \begin{pmatrix} \delta_1 & \delta_2 \\ \delta_1 & \delta_2 \end{pmatrix} = 2 \begin{pmatrix} \delta_1 & \delta_2 \\ \delta_1 & \delta_2 \end{pmatrix} = 2 \begin{pmatrix} \delta_1 & \delta_2 \\ \delta_1 & \delta_2 \end{pmatrix} = 2 \begin{pmatrix} \delta_1 & \delta_2 \\ \delta_1 & \delta_2 \end{pmatrix} = 2 \begin{pmatrix} \delta_1 & \delta_2 \\ \delta_1 & \delta_2 \end{pmatrix} = 2 \begin{pmatrix} \delta_1 & \delta_2 \\ \delta_1 & \delta_2 \end{pmatrix} = 2 \begin{pmatrix} \delta_1 & \delta_2 \\ \delta_1 & \delta_2 \end{pmatrix} = 2 \begin{pmatrix} \delta_1 & \delta_2 \\ \delta_1 & \delta_2 \end{pmatrix} = 2 \begin{pmatrix} \delta_1 & \delta_2 \\ \delta_1 & \delta_2 \end{pmatrix} = 2 \begin{pmatrix} \delta_1 & \delta_2 \\ \delta_1 & \delta_2 \end{pmatrix} = 2 \begin{pmatrix} \delta_1 & \delta_2 \\ \delta_1 & \delta_2 \end{pmatrix} = 2 \begin{pmatrix} \delta_1 & \delta_2 \\ \delta_1 & \delta_2 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\end{pmatrix} = 2 \begin{pmatrix} \delta_1 & \delta_2 \\ \delta_2 & \delta_2 \end{pmatrix} = 2$$

Akaronitho, dinatayunte c oc 02e no 04, t.e. sanasbor mpabure yenoped tu ka 04 unar akarututho mpederalezte $\delta_2: \binom{2'}{y'} = \binom{n}{0}\binom{n}{y}$.

Taxa Sie xonoromera coca cyensop Ub, a De e xonoromera coc b cyensop Ua.

Ортогонании происсфоррношем в равжината.

Hera lo Ez e donkupata oprotegonupata reosportationa cucrena n e e adontitea trati-Copoponancies le Ez c npederaloure

Tratechophaguerra e ce teajoura optionetas. tea, ano C e optionoteantea nationea, T. e. CCT = E => C-1 = CT, E caestroes detC=±1.

karto u C2 + C22 = 1, C11 + C21 = 1; => J!O

=>
$$\varphi$$
: $\int \infty' = \cos\theta$. $\infty - \epsilon\sin\theta$. $y + \alpha$ a, being $(++)$ $y' = \sin\theta$, $\infty + \epsilon\cos\theta$. $y + b$

doppymere (**) Ca viderencelle c doppymer Te 3a chessea rea oppositiophen partin koopdensat-ten cucreren le paletentiare. Hera K=022 u K=02'E ca De op-Totophenpaker koopdriteasten cucretin m Porparie compenio Ku K' crootherses peoplanteare. Foraba lopeskova O E_1 E_2 E_1 E_2 Hemoy (2,4) n (2',4') e or buda (++) Chédoboutertes 3a bacerer des aprotupe purparen reopanteation auctern II. optonoteantea Transcapopuayers 4: K- 4>K'; T.e. O 4>0 n aro Eijaz ca éduteureure Torker - OEi= Ei, To Ei & Ei. Schoe, re Ku K'ca edeakbo oponetempatur Toutes Torala, korazo e = 1.

Chedrata teopena uspasala, le ocudamenta us bajona e, aux bajonas pas crazimento mundy de trum. Boma e creditara

Teopena. Oprorokanteure Trancfogonagen Banasbar pascrartenero mendy doe Torre.

Unane $(M_1M_2^1)^2 = C(M_1M_2) \cdot C(M_1M_2)$ = $M_1M_2 \cdot C^TCM_1M_2 = M_1M_2 \cdot \Box$

(CY=YCT)
Chedolourer no edha adoutitea Thouse forprer
Leur Bourarba pascrontinero remay de
Tocku Tocteo Toraba, koraro e oproronarea.
Chedorbue: Opomoro tearteure Thouse forprer
rem ornicleour edeare bocumume.