Cremerpuren oneparop u cumerpura marpura Нека Е-Евклидово пространство One Muhemmer oneparop $\varphi: E \to E$ e cueverpuces, and $(\varphi(x), y) = (x, \varphi(y)), \forall x, y \in E$ C6-601/ sheo q: E> E e cusuerpureen u oбратим операть Ø-60 Herea (x, y ∈ E' - upous Conty $(\varphi^{-1}(x), y) = (\varphi^{-1}(x), y_0 \varphi^{-1}(y)) = (\varphi(\varphi^{-1}(x)), \varphi^{-1}(y)) = (x, \varphi^{-1}(y))$ = $(\varphi^{-1}(x), y) = (\varphi^{-1}(x), \varphi^{-1}(y)) = (\varphi(\varphi^{-1}(x)), \varphi^{-1}(y)) = (x, \varphi^{-1}(y))$ CE-60211 Ane $\varphi, \psi: E \to E$ chere i pue m $\varphi \circ \psi = \psi \circ \varphi$ $=) \varphi \circ \psi - \text{chere i pue ce} +$ $(\varphi \circ \psi(x), y) = (\psi(x), \varphi(y)) = (x, \psi \circ \varphi(y)) = (x, \varphi \circ \psi(y))$ C6-6031/ Ano 9: E > E curerou test one pa Tope > 9 curer pu cest oneparop (KEN) qk+1 = qx0q= qoqx (no uifgkyng)

Onp.// Maipura $A \in Mnxn(F)$ ce respura

Cue ene trouver, novaro $A = A^{t}$, i.e. ($a_{ij}^{ee} = a_{i}^{e}$) is appearance of the symmetry $A = A^{t}$ of the substitute of the symmetry $A = A^{t}$ of the symmetry $A = A^{t$ C6-602 Ano cuacipuryara elaspusa A e obparulea, Toraba A-1 course e cuesees pueses elaspusa + + + -8-80 Hera $A^{-1}=C$ = AC=E => $(AC)^{t}=E^{t}$ C = E=) Ct. A=E =) Cte of paths 49 A , 40 Ce of paths 44 A = Ct=C (A una equitor lease to paths eat pure) Cb-603 // AKO A, B-CURE PUEBU U AB=BA, TOTALO AB CEUGO CURREPUEBE A-60 (AB) t = Bt A = B. A = AB => AB - CURREPUEBE C6-604 // AKO A - CURREPUEBE REGIDENCES => AK-CURREPUEBE C6-605 // AKO C E COLKXN (F) => C.Ct & Clxxx (F) & CURREPUE (cct) t= (ct) t. ct= c. ct = cct- cuse puera

The E- Kpace Hosepho Elexnydo up-60, 4: E>E suffect parts 4- CHARESPIECE ORGATOP = CAPACO OPTO 100 PRINCA CHERESPIECE D-boll Herea el, -- en - optortoperupart Eastie, A wasp. 454 (=) Herea q- curret puter, oneparop c seaf. A cupsuo el-en $\varphi(e_i) = \alpha_{ij} e_i + \cdots + \alpha_{ij} e_i + \cdots + \alpha_{ij} e_n$ $\Rightarrow (\varphi(e_i), e_i) = \alpha_{ij}, \quad \alpha_{ij} = (\varphi(e_i), e_j)$ $\Rightarrow \alpha_{ij} = (\varphi(e_i), e_i) = (e_i, \varphi(e_i)) = (\varphi(e_i), e_j) = \alpha_{ij}$ = A - cue eee pu citsHerea if upouston E Herea e1,-- en opto Hopeupan Easue & A= A= (aij) (x, 4(y)) = (x, e,t. - + xneu, y, 4(4(4)) + - + yn 4(en)) = = x, y, (ei, 4(e)) Ho (4(ei), ej) = (ei, 4(ej)) =) (4(x), y) = (x, 4(y)) of x, y ∈ E 3a i, s=1,..., n

Toll Hera $\varphi: E \to E$ e cueuer pureu one par op u

g1, g2 coocseen benson 39 φ c passuran coocseen

crou voca ($\varphi(g_1) = \lambda_1 g_1$ u $\varphi(g_2) = \lambda_2 g_2$ u $\lambda_1 \neq \lambda_2$) Toralea gil ge. $\frac{20-60}{(9(g_1),g_2)} = (\lambda_1g_1,g_2) = \lambda_1(g_1,g_2) + \lambda_1(g_1,g_2) + \lambda_2(g_1,g_2)$ (g1, 4(g2))=(g1, 12g2)=12(g1,g2) (1-12). (g1,g2)=0/:4) $(\varphi(a), x) = (a, \varphi(x)) = 0 \quad \forall x \in \mathcal{U} \quad (\varphi(x) \in \mathcal{U} - \varphi - u + \log p)$ =) $\varphi(a) \in U^{\dagger} =) u^{\dagger} e \varphi - u + kapuau + v + v$

=) lo=To => loER

THERA E-ECKNUPOLO MP-60 M 4: E> E CURRESPULLENT DIMEZO. CYMPETEL BA OFTOHOPHUPAH DASNE HA E CMPS MO KOUTO REAT WATA HA 4 9 OFTOHOPHUPAH BASUE OT COSCRETTURE CHERTON 39 GM D-601/ Mapyryus no m= diemE Hera U=(l(g1))+, l(g1) e 4. 44 вариантию => И сто е 4- вино дричи dim U=n-1) 19/11:U > le cle eles Ju ces => no unggregus (3all) => Fortbropumpat Fazue eg, -, en tall 4(ei) = lier, ei 1 g, i=2, -, n => e_1 = 1 g_1 g(g_1) = 2 g_1 u e_1, -, eu optottopu. o, tesE

Cregordene Herea A & Maxin (R) curret puches marpures Tellown Toraba correctly by Optoro Hanks marpures Tellown T-1 AT = Tt AT = & - quaro Hanks marpures D-60// A - curesputits POBTALHEQUE MUH. ONEDATOR Q: RM - RM, KOLITO CMPS ELO CTALLEGETHUS OPTOHOPENPAH & ABUCHATH. A =) I SOLZILO P. P. CM-=> F Sazue 61, --, leu (opto to per ups4) 49/Rh

4 (li) = libi => Aro T elaspura 49 upexop(e) >(b)

=> T-optoro 149 149 n

празня стр.