Linearis algisia 1124 minden, elisacioson is paralectar elhangott definició is tetel himonoralia temilet: Tetaler, amegber snortam well: V Candy - Byahanhi - Schwarz enmedtersig V nog (nog hommanal) etelmerele specialeis komplex maleixa sayatitibre autorimanala, sayatirlaaina valatuad titeler isnoptiona ortogarders is united traunformation megornier a maldmonatoty exit usunatatory tauosaig tato'r Broxtando titeler Caucy-Buyahornen - Schwarz gentoteensig Total: < 0, 572 = 10, 07 15, 67 Bropeasa: Tehentile az La+25, a+257 maldinazalot Mivel a shaloinazat positiv detinit: 0420+25; a+257 Lineaus mea jacomalgori unatt 1 a+ 2 b, a+ 207 = (a, a7 + (a, 257 + (25, a7 + (25, 257 Homosin meajaonsalgon meale. 125, at = 260, at clube < a, 257 = 260, 57 6/25, 257 = 260, 57 Simula heardonalph wealt: 216,07 = 210,07 Exit az enerlőtenég: 0 = < 0, ar + 22 < 6, 67 + 22 < 0, 57 = 22 < 6, 57 + 22 < a, 5 Ez 2-va nerve grandisodfolin granditersig Juan V 15 57 = A 2 22 A+ 25+CZO 2Kg, 57= 5 (a, a) = C de montôtemsignel max 1 more non -> D = 0 D = B2 - 4 AC 50 himadelitesitue a di ulmiminoinossa: [2 6, 57]2 -4. (0, 57 (0,07 6) KKa, br2 - H. Kb, br. Ka, a7 50 <0 /272 = xa, ar · xy, or ameg a titel allitaisa. Stog (nog wonimmolnas) ettelmere'se Dehimlaid: 1/2 enheudem telsen aut velver, az a is is altal sercit moget a ciovet cenosepp lett weghatd orm: lenen 127 g mala na sait b-ben, is alany x who would a 11 ×11:= ×x, ×7. Eco. con(x) = 11911.11911 - 10,07. 40,07 Detiniaid negeneralmen propitaisa: Canay- Busaloweni- Schwarz enuncotendo ala pian 40, 522 LLa axxb, br gount warma 120, 511 = 150 axx 5, 57 = 150, ax . 125, 27 amy soc -1 = Ka, 27 & 1 11011-11011 Toudstat a cos(x) hapvely van omnangsom as R3-va vanahersio ismesterne El, coniatt new a sin as Propolyt handy we. Speciallis nomprex matural Sozaitatell Summetions A = A'And /Finden minimizions A = -A'And /Finden minimizions A = -A'Outogonalus A' = A'L'Hermitius matrix aprotestines aldres A' = A'ubles volleds Gouplex 121=1 Tetel: Kimitirus matrix pajotatiru valdsal. AX = 2 x megnersom barde zT+al

ZTAX = XT2X = XT. x 2 = 2 = 1 xul2 jobsoldal valos, 2 = XTA

havel a never valor crut mostner soul art hele belatur, man a mainteled is ralos. Tuguer, non homprex main alles is esser alla eporto a hazingalt à val, ha was valed the van thought, hon a nameded is gretten hangeen noin, hi nen ex a shalo noisat dismissión; evit a noinnan meg hell eneme a nomprenalityabal  $\overline{X}^T(A \times) = \overline{X}^T(A \times) \overline{J}^T = (A \times)^T(\overline{X}^T)^T = \overline{X}^T \overline{A} \times \overline{X} = \overline{X}^T \overline{A} \times \overline{X}$  which a noin mega-Tetel: A Probin humitius mathix societisticu mina nompusch van Ozie.

A = -A A X = x x valor norzon x -tal

A = -A X A x = x \ 2 x = 2 \ X X x \ 2 x \ Komplex notin alla is san alla heprits, na enculo a nonjugality a (-11-neresolvel. Takot be tell eat in, non \$\overline{x}^T A \times \telline{x}^T \overline{x} \telline{x}^T \overline{x}^T \overl That I valdban hipertes, von O. Tetal: unité maitie sapatitéremen aprocitatione 1. Burnta'sa  $A \times = 2 \times 7$  7 onemore celet  $(A \times)'(A \times) = \overline{\lambda} \times \overline{\lambda}'(\lambda \times) = \lambda^2 \times \overline{\lambda}' \times$ XA (Ax) = x (AA) x = x Ex = x x Tencit a so dittett about there seed at 1.

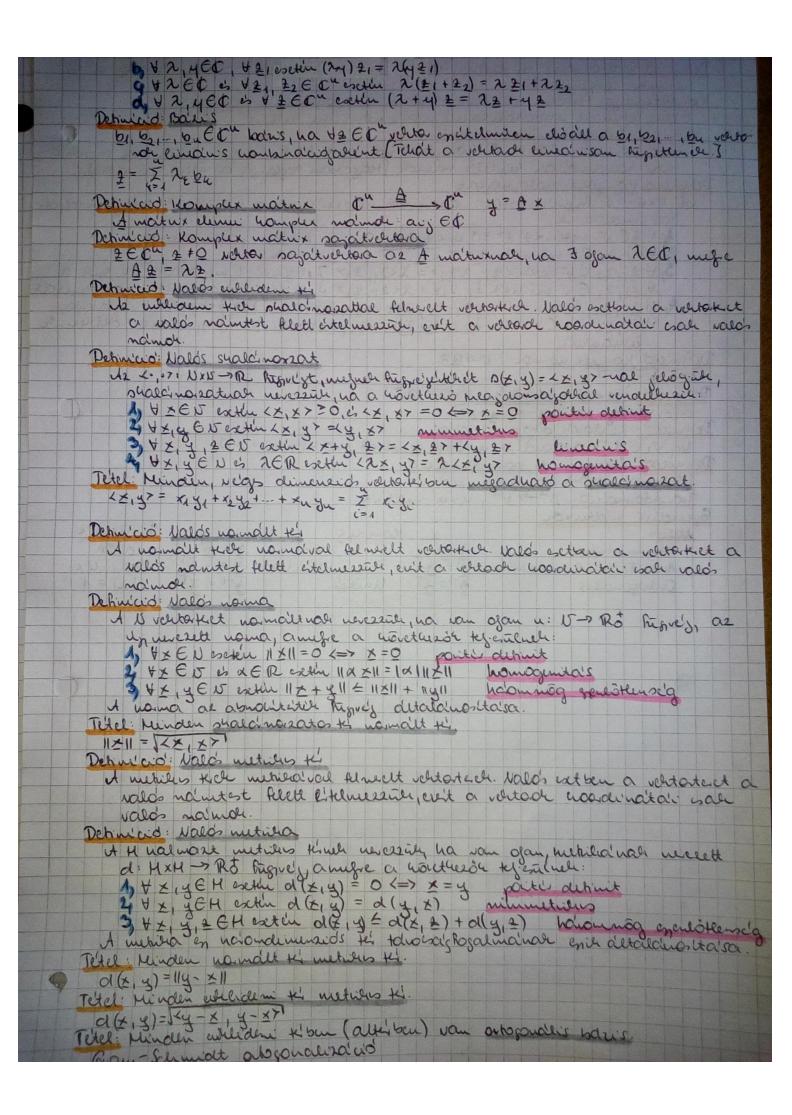
Chosonalis e's unité promptouraire regetation a shalamazaret Telel: 12 24, 177 = 15Th shalding narabot as united translation um vallatation as mig rangitalsa: A-1 = AT U= Ax <u, r7 = <Ax, Ag7 = Ay · Ax = [A· g] Ax = g A Ax = U= Ag = g x = g x = <x, g x Egis titles is dehinición himonadoa Konplex natural exponencialis along reight solution of the sol ein meada a aneghomi hompiex not morat Tetel: 12 4- cal pour, hourpex grithards polinament van grove a houper namor naturazais. Much plicitaissal namona a provery parosan in orb Total: Ha & homplex naim gove a palmomnal, alea a honjugaltja is note.

Komplex vertati es axionali (04.0)

1, 42, 22 esetin 21+22 = [0,+5] = [0,2] + [0,2] and £, [0,3] is \$2 = [0,2] homplex got van. 2 4 260, 4 2 60 extin 2 = 2 2 - 201 - 201 omeoda's homentath soport 6 421, 22, 23 E 0" extin (2,+22)+23 = 2,+(2,+23) ¥ 21, 22 € C" vetin 2,+22 = 22 +21 q Van emelge (unledente) 3 QCCu mele 4 & EC extin Q+ & = & de Nam ellentette (inverse)

+ 2 6 0 - he 2 3 - 2 6 0 cockin - 2 + 2 = 0 - 2 = [-a\_1] = [a\_1]

- a\_2 = -a\_3 = -a\_4 = -a\_4 = -a\_4 = -a\_5 Shalawal walo nopals a V & C C esetin 1. = = = 160



Debinició Ottomomailt en venante ha a rebrarde pasoulent ortogonalessal, es a hommel egselgyi (1). Kontresmine Minden enleden When van abnormalk bataisa. Gran Schmidt ortogonalisation utain nomallui rule a volto orat. Dehmaid: 40 molex cultiden well Stale no ratos vertosti O (homplex) na intest filett. Ex act selenti, non a veltonot has amaitain respectes natural. [Magairan rogedly a mais individual]. Debinició Komplex stalcino est A UXU-s a Rigneyt shall noval new menerally na a novether meagainsaigh Gal rendelquais: 1 4 2 € U eschu < 2, 27 ≥0 cs 2 2, 27 = 0, na 2 = 0 partir definit 2 V 21, 22 C 15 extinc 21, 227 = 22, 217 nimultilus 3,  $\forall 2_1, 2_2 \in V$  estin  $(2_1, 2_2) = 2(2_1, 2_2)$  Peligindo 1 megtataisa, at sile a  $\forall 2_1, 2_2 \in V$  estin  $(2_1, 2_2) = 2(2_1, 2_2)$  maistral montherise nonognitais 4 421, 22, 23€ 15 extin < 2, + 22, 237 = <21, 237 + < 22, 237 3 elegado 1 mestataisa, ₩ 21, 22, 23 € N extin < 21, 22+237 = <21, 227 +< \$1, 257 ) en maissale moret result Perieanta's Definició: Komplex nama 1-> Ro 11311=1121 Dehmaid: Komplex metition 15x15 Ro Dehrusia: Witoron ortogonalitaisa U, U2 E 0 alogondeis (messegs grandra), na <u1, U27 = 0 Detinicio: Leliepenis es transhamaluo'
Lelupenis: 154 > 02, 9 xu maturx Transformataid: 154 -> 154, uxu matrix Saighteiter Specialis matural Shimmetrikus

A=AT

Hemitikus

A=AT

Fechin Hemitikus

A=-AT

Contogonolis

Ontogonolis Nalos Ontogonoilis