N5
Donemen, 200 A-nopuerone observe yourapnois => be eë
$z=3$ . $\lambda_1$ , $z=\zeta_1$ : $ \lambda_1 =1$
13 · A · C C NEM - nopulate nee, cue A "A = AA", nopulerones merquen yultapro quaronamyeur
• $A \in \mathbb{C}^{nen}$ — your apres, ever $A^*A = AA^* = I$ (sleens nopresented)
=> ]λ-c.z. A, ν-c.e, ωστ.λ, τ-e Αν=λν
Paccustine towne v"A"= Tv". Yunskun tv=10 welane gamoe lynose
0 * A * A σ = μ12 σ * σ.
T. x. A-yurrapue, A" A = I, To ecro:
σ*σ= 1×12 5*v.
T. N. no onpequencio 070=> V* V= 11011370 rangues:
$ \lambda ^2 = 1 = \gamma  \lambda  = 1$
Таким обрезом, У с-3. упитарной метрия А по морую = 1
∃A - nopueemes veryeups α ∀ eē c.z. λ; , i=1,n:  λ; =1.
T-n A - nopulatione => yentrepro georgneusyeus, T.e.:
A=UAU*; UU*=I, A=drag (11n)
XAX=UA*U*; AX= diag (I, In)
Marazin AA*:
$AA^* = U\Lambda U^* U\Lambda^* U^* = U\Lambda \Lambda^* U^* = \left[\Lambda \Lambda^* = \operatorname{diag}( \lambda_1 ^2  \lambda_n ^2) = I\right] = I$
⊕uin,= i
Зпечет, А-уштарне