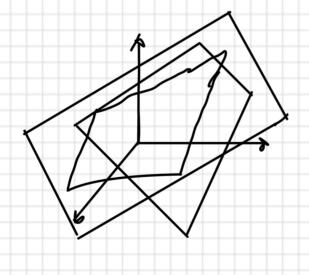
$\begin{cases} C_{11} & \times_{1} + C_{12} & \times_{2} + C_{13} \times_{3} = 0 \\ S_{21} & \times_{1} + C_{12} & \times_{2} + C_{13} \times_{3} = 0 \\ C_{31} & \times_{1} + C_{32} & \times_{2} + C_{33} & \times_{3} = 0 \end{cases}$



SE 1 3 blan >one INDIPERDENT! LANKE SOME E \ \(\times = \big(\cdot) \)

Autoresian;

beforesom: INVECE LE (3 PIAN. SONO (BI PERBENTI"] +f(°)=> PGN GLANLAGUE

(*) / (*//)

$$det(A-KI) = 0 \quad \text{C1} \quad \text{Astronom} \quad Dr \text{ Transpire} \quad I \quad \text{λ pen ar}$$

$$A-KI \quad \text{POP} \quad e^{r} \quad \text{(NVENTBILE}$$

$$c(161107) = 0 \quad \text{(A 1)} \quad \text{(A 2)} \quad \text{(A 2$$

$$A \stackrel{\text{ee}}{=} \qquad A \stackrel{\text{e}}{=} \qquad A \stackrel$$

ANB SE = V INV: A=VBJT

A & JIMILE AB

A -2 det (A-LI) =

$$A \rightarrow det(A-LI) = det(VBV^{7}-KI) = det(VeV^{7}-KI) = det(VeV^{7}-KVV^{7})$$

$$= det(V(B-KI)V^{1}) = det(V)det(B-KI)det(V^{1})$$

MATRIC JIMIU GLANG- LO SPESSO POLINOMIO CAMBRITIS

BEF 12,26NG BLAGONA LIZZABILBA':

A E BIACONALIZZABILE SE EXCAG UNA MANICE D DIAGONALE SIMILE

AD A, A = SD57 CON S INVENTIBILE.

NON TUNE LE MAMICI (QUALANE) SONS LIGGERALIZZABILL.

A & C DIACONALIZZABILE SE E SMO SE A = V IV-7 BONE

1) = B146 (L1/1. Lm) con Li AUTOVALORI OI A Vis=1,..., m

2) V= (V1 | V2 | ... | V11) CON Vi ANTONEMONI DI A

3) V1 , ... , Vm som INDMWDENTI

TEONEMA SECTIONE: SE A-AT => A BIAGONALIZZABILE

A NON DIACONALIZZABILE => A X AT

 $\int = \begin{pmatrix} 1 \\ 0 \end{pmatrix} \left\{ \text{Let} \left(\int - \lambda \right) = \text{Let} \left(\begin{pmatrix} 1 - \lambda \\ 0 \end{pmatrix} - \lambda \right) = \begin{pmatrix} 1 - \lambda \end{pmatrix}^{2}$

$$\bigvee_{\mathcal{L}_{1}}:\bigvee_{\mathcal{L}_{2}}=\bigvee_{1}=\left\{\begin{array}{c}\left(\begin{smallmatrix}\mathcal{L}_{1}\\\mathcal{L}_{2}\end{smallmatrix}\right)\in\mathcal{U}^{2}\mid\left(\begin{smallmatrix}\mathcal{L}_{1}\\\mathcal{L}_{2}\end{smallmatrix}\right)\neq\left(\begin{smallmatrix}0\\0\end{smallmatrix}\right)\mid\left(\begin{smallmatrix}0&1\\0&0\end{smallmatrix}\right)\left(\begin{smallmatrix}\mathcal{L}_{1}\\\mathcal{L}_{2}\end{smallmatrix}\right)=\left(\begin{smallmatrix}0\\0\end{smallmatrix}\right)\right\}$$

$$\begin{pmatrix} \times 1 \\ 0 \end{pmatrix} \forall + \neq 0$$