D 1) Jung Groon

Wy chungo: guaronarame pressingance -> 0x-16 sunga Gradu Samue benoans $|a_{ii}| \ge \sum_{i\neq j} |a_{ij}| \Rightarrow |d| \ge 2|\beta| - y$ cookue chog hus via marga, Axoba

Paremospuh Sovie morrow spurequin: $\text{Uspaymorrow Myospice} \quad X^{(k+1)} = - \mathcal{D}^{-1}(L+U) X^{(k)} \mathcal{D}^{-1}$ $\text{Usogramma} \quad P$

(Ecu Ax=6, ye A= L+D+U)

 $P = -\mathcal{D}\left(\mathcal{L} + \mathcal{U}\right) = -\begin{pmatrix} \mathcal{U} & \mathcal{U} & \mathcal{O} \\ \mathcal{O} & \mathcal{U} & \mathcal{O} \\ \mathcal{O} & \mathcal{O} & \mathcal{U} \end{pmatrix} \begin{pmatrix} \mathcal{O} & \mathcal{O} & \beta \\ \mathcal{O} & \mathcal{O} & \mathcal{O} \\ \mathcal{O} & \mathcal{O} & \mathcal{O} \end{pmatrix} = \begin{pmatrix} \mathcal{O} & \mathcal{O} & \frac{12}{9} \\ \mathcal{O} & \mathcal{O} & \mathcal{O} \\ -\frac{12}{9} & \mathcal{O} & \mathcal{O} \end{pmatrix}$

here John choquera <= bee cosal rucus) heatpures P no regyro heneme egunuso.

$$|P-\lambda E| = 0 = \begin{vmatrix} -\lambda & 0 - \frac{\beta}{\alpha} \\ 0 - \lambda & 0 \end{vmatrix} = \lambda \left(\frac{\beta}{\alpha}\right)^2 - \lambda^3 = 0$$

$$|\lambda = \frac{\beta}{\alpha}| < 1 = 0$$

$$|\beta| < |\alpha| - \beta - C$$

$$|\beta| < |\alpha| - C$$

$$|\alpha| < |\alpha| - C$$

Tiony your, with sector of Skota Coognition upon |2/ > 1B

2) Nerog Sengus

Монте из Сининара: Лигрия синкигрично и номожничено сируению -> СК-ТО Лигода Гаусса - Зейденя DOMPHO BEHEALTERS NO Equiteque (LAR betopa: $\begin{cases} d > 0 \\ d^2 > 0 \end{cases} \Rightarrow \begin{cases} d > 0 \\ d^2 > 0 \end{cases} \Rightarrow \begin{cases} d > 0 \\ |\beta| < |d|$ - yendere exognisatie Payera-Bengera

Temps morner of north exogunation

With the payment in hypothese $\chi^{(kn)} = -(L + \mathcal{D})^{-1} \mathcal{U} \chi^{(kn)} + (L + \mathcal{D})^{-1} \mathcal{E}$

 $P = -\left(\begin{array}{c} \mathcal{L} \cdot \mathcal{D} \right)^{-\frac{1}{2}} \mathcal{U} = -\left(\begin{array}{c} \mathcal{L} \cdot \mathcal{D} \cdot \mathcal{D} \\ 0 \cdot \mathcal{L} \cdot \mathcal{D} \\ 0 \cdot \mathcal{D} \cdot \mathcal{D} \end{array} \right)^{-\frac{1}{2}} \begin{pmatrix} 0 \cdot \mathcal{D} \\ 0 \cdot \mathcal{D} \cdot \mathcal{D} \\ 0 \cdot \mathcal{D} \cdot \mathcal{D} \end{pmatrix} = -\frac{1}{\mathcal{L}} \begin{pmatrix} 1 \cdot \mathcal{D} \cdot \mathcal{D} \\ 0 \cdot \mathcal{D} \cdot \mathcal{D} \\ -\frac{\mathcal{B}}{\alpha} \cdot \mathcal{D} \cdot \mathcal{D} \end{pmatrix} \begin{pmatrix} 0 \cdot \mathcal{D} \\ 0 \cdot \mathcal{D} \cdot \mathcal{D} \\ 0 \cdot \mathcal{D} \cdot \mathcal{D} \end{pmatrix} = \begin{pmatrix} 0 \cdot \mathcal{D} - \frac{\mathcal{B}}{\alpha} \\ 0 \cdot \mathcal{D} \cdot \mathcal{D} \\ 0 \cdot \mathcal{D} \cdot \mathcal{D} \end{pmatrix}$

Merog exaguan , com VI G /1/41 , rge I -cosort zn marpun P

 $\begin{vmatrix} P - \lambda E \end{vmatrix} = 0 = \begin{vmatrix} -\lambda & 0 & \frac{p}{d} \\ 0 & -\lambda & 0 \\ 0 & 0 & -\lambda + \frac{p^2}{d^2} \end{vmatrix} = \lambda^2 \left(-\lambda + \frac{p^2}{d^2} \right) = \lambda^2 \left(-\lambda + \frac{p^2}{d$

Thougram, with surrog Singers Gogueras Man 1814 121