: 8 la (enlarnages) ansidules

$$W_{0} = 0$$
 $|\mathcal{E}| = |V|$ C_{1}
 $W_{1,2} = \pm \sqrt{\xi^{2} - V^{2}} |\Sigma| > |V|$ C_{2}
 $W_{3,9} = \pm i \sqrt{V^{2} - \xi^{2}} |\mathcal{E}| < |V|$ C_{3}

Cases c1. C3 -> D is not diagonalizable => H is

w: has two linearly independent eigencenters

$$w_{1}(w) = \sqrt{\frac{1}{2w(2-w)}}$$

$$\frac{1}{2w(2-w)}$$

With their morans just as in the previous calculation

Orthonormal voctors for -w: j.w1 (-w) \w2 (-w)

=> Bithomound leasis: [wn(w), wz(w), wn(-w), wz(-w)]
The normal direvative matrix Tn:

The $\int [w_1(\omega), w_2(\omega), w_1(-\omega), w_2(-\omega)] \leq \infty$ $\int [w_1(-\omega), w_2(\omega), w_1(\omega), w_2(\omega)] \leq \infty$

$$T_{n} \, b T_{n} = \begin{cases} \begin{pmatrix} \omega & \omega & 0 \\ 0 & -\omega & \omega \\ \end{pmatrix}, & \xi > 0 \end{cases}$$

$$\begin{pmatrix} -\omega & 0 & 0 \\ -\omega & \omega & \omega \\ \end{pmatrix}, & \xi < 0$$