$$\begin{array}{c}
2045 \ \text{P206} \ (\text{II}) \\
S = \frac{1}{2} (F + F T) = \frac{1}{2} \left[\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1}^{2} + \chi_{1} \chi_{2} + \chi_{2}^{2} \\
\chi_{1}^{2} + \chi_{1} \chi_{2} - \chi_{2}^{2} \\
\chi_{1}^{2} + \chi_{1} \chi_{2} - \chi_{2}^{2} \\
\chi_{1}^{2} + \chi_{1} \chi_{2} - \chi_{2}^{2} \\
\chi_{1}^{2} - \chi_{1}^{2} + \chi_{1} \chi_{2}^{2} - \chi_{1} + \chi_{2}^{2}
\end{array} \right] + \left(\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1}^{2} + \chi_{1} \chi_{2} - \chi_{2}^{2} \\
\chi_{1} - \chi_{2}^{2} - \chi_{1} - \chi_{2}^{2}
\end{array} \right) + \left(\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1}^{2} + \chi_{1} \chi_{2} - \chi_{2}^{2}
\end{array} \right) + \left(\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1} - \chi_{2}
\end{array} \right) + \left(\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1} - \chi_{2}
\end{array} \right) + \left(\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1} - \chi_{2}
\end{array} \right) + \left(\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1} - \chi_{2}
\end{array} \right) + \left(\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1} - \chi_{2}
\end{array} \right) + \left(\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1} - \chi_{2}
\end{array} \right) + \left(\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1} - \chi_{2}
\end{array} \right) + \left(\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1} - \chi_{2}
\end{array} \right) + \left(\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1} - \chi_{2}
\end{array} \right) + \left(\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1} - \chi_{2}
\end{array} \right) + \left(\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1} - \chi_{2}
\end{array} \right) + \left(\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1} - \chi_{2}
\end{array} \right) + \left(\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1} - \chi_{2}
\end{array} \right) + \left(\begin{array}{c}
\chi_{1}^{2} \\
\chi_{1} - \chi_{2}
\end{array} \right) + \left(\begin{array}{c}
\chi_{1}$$

2015月206(田) Sez= Azez $\begin{pmatrix} \chi_1^2 \chi_1 \chi_2 & 0 \\ \chi_1 \chi_2 & \chi_1^2 & 0 \\ 0 & 0 & 3(\chi_1^2 + \chi_2^2) \end{pmatrix} \begin{pmatrix} \eta \\ q \\ t \end{pmatrix} = \begin{pmatrix} \chi_1^2 + \chi_2^2 \end{pmatrix} \begin{pmatrix} \eta \\ q \\ t \end{pmatrix}$ $3(x_1^2 + x_2^2) t = (x_1^2 + x_2^2) t$ $\Rightarrow t = 0$ x2 p + x1xz q = (x2+x2) p 1-x2/ $x_1x_2q = x_2^21$ $\frac{\chi_1}{\chi_2}q = 1 \longrightarrow e_3 = \begin{pmatrix} \chi_1 \\ \bar{\chi}_2 \\ 1 \end{pmatrix} \chi \begin{pmatrix} \nu_1 \\ \nu_2 \\ 0 \end{pmatrix}$ WE FOUND: $A_1 = 3(x_1^2 + x_2^2)$ $A_2 = 0$ $A_3 = x_1^2 + x_2^2$ $Q_z = \begin{pmatrix} -\frac{\chi_z}{\chi_1} \\ 1 \end{pmatrix}$ $e_3 = \begin{pmatrix} \frac{1}{2} \\ \frac{1}{2} \end{pmatrix}$ $e_1 = \begin{pmatrix} 0 \\ 0 \\ 1 \end{pmatrix}$ GEOMETRICAL DESCRIPTION OF THE PRINCIPAL AXES: E1 HAS A CONSTANT COMPONENT IN THE DCZ DIRECTION AND HAS NO COMPONENT IN OTHER DIRECTIONS ENTROUGHOUT THE WHOLE SPACE.

ENEZ= en. e3=0 => en is PERTENTICULAR TO BOTH EZEEZ.

E2. e3=0 => ez is ORTHOGONAL TO e3 THROUGHOUT THE WHOLE SPACE. EZ & EZ HAVE A COMPONENT (CONST. ANT LENGTH) IN THE X3 DIRECTION. WATER MAGNITUDE OF THE CIRCLES IN THE X, DIRECTION) THE FOR PROPERTY PTO. THE BUREA VARIABLE LENGTH COM PONENT WE ARE IN SPACE. SEE EZ & EZ DE TIVITION ABOVE.

Mis makine is orthogonal

some theory is misely in gran

mid.

(24x - 224 0)

(24x - 224 0)

The exectors round to be

wordwised

Then it is a per about the it news

of the form (600 - niv o)

was 600 o).

This tester question also uses some stills from Michaelmen matrices which you to At seen to know.