





$$\begin{bmatrix} S^{14} & Q^{4} \end{bmatrix} = \begin{bmatrix} -9 & (5) \\ -8 & -9 \end{bmatrix}$$

$$R = \frac{\sigma_x + \sigma_y}{2} = \frac{-8+12}{2} = 2NR$$

$$R = \sqrt{\frac{\sigma_x - \sigma_y}{2} + \frac{2}{2}} + \frac{2}{2}$$

$$= \sqrt{10^2 + 6^2} = 11.66 \text{ M/a}$$

$$tan 2d_p = \frac{6 \text{ MPa}}{(12-2)\text{MA}} = \frac{6}{10} = \frac{3}{5}$$

$$2d_p = 31^\circ = > d_p = 15,5^\circ$$

$$2acton \frac{3}{5}$$

$$G_1 = 2 + 41.66 = 13.66 HR$$
...
 $G_2 = 2 - 41.66 = -9.66 HR$