極値をとりう3点は(宝,九)、(予几,九)
$$Zxx = -\sin \chi$$

$$Zyy = -\sin \chi$$

$$H = \begin{vmatrix} -\sin \chi & -\sin \chi \\ -\sin \chi & -\sin \chi \end{vmatrix}$$

$$Zxx = -\sin x$$

$$Zyy = \cos y$$

$$H = \begin{vmatrix} -\sin x & 0 \\ 0 & \cos y \end{vmatrix} = -\sin x \cos y$$

$$\int \left(\frac{\pi}{2}, \pi\right) \cot y$$

$$H = -\sin \frac{\pi}{2} \cos \pi = 1 > 0$$

$$Zxx = -\sin x = -1 < 0 \text{ by } = -1 < 0 \text{$$