EGONKORTASUNERAKO BALDINTZAK POTENTZIAL TERMODINAMIKOETAN

SuFHG

$$S_{uu} \leqslant 0$$
 $S_{vv} \leqslant 0$ $S_{uu} S_{vv} - S_{uv}^2 \gg_0$ MAXIMOA
 $u_{ss} \gg_0$ $u_{vv} \gg_0$ $u_{ss} u_{vv} - u_{sv}^2 \gg_0$ Minimoa

POTENTRIALETARAKO BIDEA

$$P = \frac{\partial U}{\partial X} \qquad X = -\frac{\partial U(P)}{\partial P}$$

$$\frac{\partial X}{\partial P} = \frac{\partial}{\partial P} \left[-\frac{\partial U(P)}{\partial P} \right] = -\frac{\partial^2 U(P)}{\partial P^2}$$

$$-\frac{\partial^2 U(P)}{\partial P^2} = \frac{A}{A}$$

$$-\frac{\partial^2 U(P)}{\partial P^2} = \frac{A}{A}$$

$$F_{TT} \leq 0$$
 $F_{VV} \gg 0$ MINIMOA

 $H_{SS} \gg 0$ $H_{PP} \leq 0$ MINIMOA

 $G_{TT} \leq 0$ $G_{PP} \leq 0$ $G_{TT} G_{PP} - G_{TP}^2 \gg 0$ MINIMOA