Entropy

$\tilde{S}^\alpha(U^\alpha)$

$\tilde{S}^\alpha$ convex and increasing in U^α

$\tilde{S}^\beta(U_o - U^\alpha)$

U^α

$T_s^\alpha = 0$ at $U^\alpha = 0$

$T_s^\beta = 0$ at $U^\alpha = U_o$

U_o