

| Extensive Quantity | Conjugate Variable                         | Variable  |
|--------------------|--|-----------|
| $\tilde{U}$        | $T, -p, \mu$                               | $S, V, N$ |
| $\tilde{S}$        | $\frac{1}{T}, \frac{p}{T}, -\frac{\mu}{T}$ | $U, V, N$ |