

Internal energy (U)

@wikipedia

One of Thermodynamic potentials :

$$(1) \quad dU = T dS - p dV + \sum_i \mu_i dN_i$$

where:

| | | | |
|-----|-------------|-----|-----------------|
| p | pressure | U | internal energy |
| V | volume | S | entropy |
| T | temperature | H | enthalpy |