

Preliminary list of state variables [tln1]

Thermodynamic functions

X : generic <i>extensive</i> variable	Y : generic <i>intensive</i> variable
V : volume	p : pressure
S : entropy	T : temperature
M : magnetization	H : magnetic field
N : number of particles	μ : chemical potential
n : number of moles	$\bar{\mu}$: chemical potential

Thermodynamic potentials

U : internal energy
E : enthalpy
A : Helmholtz free energy
G : Gibbs free energy
Ω : grand potential

Thermodynamic response functions

C_V : isochoric heat capacity	c_V : isochoric specific heat
C_p : isobaric heat capacity	c_p : isobaric specific heat
χ_T : isothermal susceptibility	
χ_S : adiabatic susceptibility	
	κ_T : isothermal compressibility
	κ_S : adiabatic compressibility
	α_p : thermal expansivity