1.12   Systematic description of a thermodynamic system

A thermodynamic system is described by a number of macroscopic parameters.

From the

extensive parameters	intensive parameters
$N, V, S, U, ...$	$\mu, p, T, ...$
proportional to the size of the system	independent of the size of the system

pairs are formed

N	μ
V	p
S	T
$\vec{M}$	$\vec{H}$
$\vec{P}$	$\vec{E}$
...	...

always one parameter of this pairs is used to describe the system.