EQUATION	Equation
Ideal Gas Law	Van der Waals Equation
Thermodynamics	Thermodynamics
Definition	Definition
Coefficient of Volume Expansion β	Isothermal Compressibility κ
Thermodynamics	Thermodynamics
Equation	Definition
$\begin{array}{c} Volume \ Differential \\ dV \end{array}$	Exact Differential
Thermodynamics	Thermodynamics
Law	Definition
First Law of Thermodynamics	Enthalpy
Thermodynamics	Thermodynamics
DEFINITION	Equation
Heat Capacity	Thermodynamic Potentials
Thermodynamics	Thermodynamics

$$\begin{pmatrix} \left(P + \frac{a}{v^2}\right)(v-b) = RT \\ Pv = nRT \\ \\ \mu = -\frac{1}{V}\left(\frac{\partial V}{\partial T}\right)_T \\ R = -\frac{1}{V}\left(\frac$$