



***Properties currently available in
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1. Properties of mixtures

Calculation of the critical pressure
Calculation of the critical pressure (with binary interaction parameters)
Calculation of pseudo critical properties
Calculation of pseudo critical properties (with binary interaction parameters)
Calculation of the critical temperature
Calculation of the critical temperature (with binary interaction parameters)
Calculation of the critical molar volume

2. Transport properties

Calculation of the isobaric specific heat (C_p)
Calculation of the isobaric specific heat (C_p) (liquid state)
Calculation of the isobaric specific heat (C_p) (vapor state)
Calculation of the molar density
Calculation of the molar density (liquid state)
Calculation of the molar density (vapor state)
Calculation of the thermal conductivity
Calculation of the thermal conductivity (liquid state)
Calculation of the thermal conductivity (vapor state)
Calculation of the dynamic viscosity
Calculation of the dynamic viscosity (liquid state)
Calculation of the dynamic viscosity (vapor state)
Calculation of the density
Calculation of the density (liquid state)
Calculation of the density (liquid state) (with binary interaction parameters)
Calculation of the density (vapor state)
Calculation of the density (vapor state) (with binary interaction parameters)
Calculation of the surface tension
Calculation of the surface tension (liquid state)



Calculation of the molar volume
Calculation of the molar volume (liquid state)
Calculation of the molar volume (vapor state)

3. Compressibility properties

Calculation of Gamma (C_p/C_v ratio)
Calculation of Gamma (C_p/C_v ratio) (liquid state)
Calculation of Gamma (C_p/C_v ratio) (vapor state)
Calculation of the sound speed
Calculation of the sound speed (liquid state)
Calculation of the sound speed (vapor state)
Calculation of the compressibility factor
Calculation of the compressibility factor (liquid state)
Calculation of the compressibility factor (vapor state)

4. Thermodynamic properties

Calculation of the isochoric specific heat (C_v)
Calculation of the isochoric specific heat (C_v) (liquid state)
Calculation of the isochoric specific heat (C_v) (vapor state)
Calculation of the enthalpy
Calculation of the enthalpy (liquid state)
Calculation of the enthalpy (vapor state)
Calculation of the enthalpy of vaporization (liquid-vapor transition)
Calculation of the entropy
Calculation of the entropy (liquid state)
Calculation of the entropy (vapor state)

5. Non-ideal properties

Calculation of activity coefficients
Calculation of activity coefficients (liquid state)



Calculation of activity coefficients (liquid state) (with binary interaction parameters)
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Calculation of fugacity coefficients

Calculation of fugacity coefficients (liquid state)

6. Liquid-Vapor equilibria

Calculation of the bubble pressure

Calculation of the bubble pressure (with binary interaction parameters)

Calculation of the bubble temperature

Calculation of the bubble temperature (with binary interaction parameters)
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Calculation of the dew pressure

Calculation of the dew pressure (with binary interaction parameters)
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Calculation of the dew temperature

Calculation of the dew temperature (with binary interaction parameters)

Liquid-Vapor flash at given enthalpy and pressure

7. Liquid-Liquid equilibria

Liquid-Liquid flash at given temperature and pressure

Liquid-Liquid flash at given temperature and pressure (with binary interaction parameters)
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8. Liquid-Liquid-Vapor equilibria

Liquid-Liquid-Vapor flash at given enthalpy and pressure
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Liquid-Liquid-Vapor flash at given enthalpy and pressure (with binary interaction parameters)

Liquid-Liquid-Vapor flash at given temperature and pressure



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