Property Libraries Software
for Excel, MATLAB, Mathcad, Dymola, SimulationX, LabVIEW, EES, Smart Phones, Tablets, Pocket Calculators, and Online Use

The following thermodynamic and transport properties can be calculated:

**Thermodynamic Properties**
- Vapor pressure $p_v$
- Saturation temperature $T_s$
- Density $ρ$
- Specific volume $v$
- Enthalpy $h$
- Entropy $s$
- Enery $E$
- Isochoric heat capacity $c_v$
- Isothermal heat capacity $c_i$
- Isentropic exponent $κ$
- Speed of sound $w$
- Surface tension $σ$
- Isobaric heat capacity $c_p$
- Isochoric heat capacity $c_v$

**Transport Properties**
- Dynamic viscosity $η$
- Kinematic viscosity $ν$
- Thermal conductivity $λ$
- Prandtl-number $Pr$

**Backward Functions**
- $p, T, v, h, u$
- $p, T, ν, (p, s)$
- $p, T, v, (p, h)$
- $p, T, ν, (p, u)$

**Thermodynamic Derivatives**
- All partial derivatives can be calculated.

*Not all of these property functions are available in all property libraries listed before.*