

***Mollier h-s and Mollier h-x Diagrams, Steam Tables and Property Libraries  
Software for Excel, MATLAB, Mathcad, Dymola, LabVIEW, Smart Phones,  
Tablets, Pocket Calculators, and Online Use***

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The software developed for calculating the thermodynamic and transport properties for water and steam, mixtures with water and steam, and other working fluids have been designed for very convenient use by engineers who routinely calculate heat cycles, steam or gas turbines, boilers, heat pumps, or other thermal or refrigeration processes.

The following software solutions will be presented:

Add-In *FluidEXLGraphics* for Excel<sup>®</sup>,

Add-On *FluidLAB* for MATLAB<sup>®</sup>,

Add-On *FluidMAT* for Mathcad<sup>®</sup>,

Add-On *FluidDYM* for Dymola<sup>®</sup> (Modelica) and SimulationX<sup>®</sup>,

Add-On *FluidVIEW* for LabVIEW<sup>™</sup>, and

Add-On *FluidEES* for the Engineering Equation Solver<sup>®</sup>.

The program *FluidDIA* was developed for calculating and plotting large-size and camera-ready thermodynamic charts, such as the Mollier *h-s* Diagram for steam and the *h-x* Diagram for humid air.

Steam tables are available for iPhone, iPad and iPod touch, and for Android smart phones and tablets.

The software for using steam tables and property software on Texas Instruments<sup>®</sup>, Hewlett Packard<sup>®</sup>, and Casio<sup>®</sup> pocket calculators is particularly interesting for students.

The properties of several working fluids can be calculated at the website:  
[www.thermodynamics-zittau.de](http://www.thermodynamics-zittau.de).