# ASHRAE Library (LibHuAirProp) of Humid Air Psychrometric and Transport Property Functions, I-P and SI

60 Functions In Both I-P & SI Units!

For Real Moist Air, Dry Air, Steam, Water, and Ice

By S. Herrmann, H.-J. Kretzschmar, and D.P. Gatley

#### **Accurate**

- 'Real' Versus 'Ideal' Air
- Update of the ASHRAE Hyland-Wexler and Nelson-Sauer Models
- Wide Range of Validity

| _ | Pressure:       | 0.00145 | ≤ | p | ≤ | 1450.4 | psi         |
|---|-----------------|---------|---|---|---|--------|-------------|
| - | Temperature:    | -99.67  | ≤ | t | ≤ | 662    | °F          |
| _ | Humidity Ratio: | 0       | ≤ | W | ≤ | 10     | $lb_w/lb_a$ |

### **Powerful and Flexible**

- Thermodynamic Properties
- Saturation Properties
- Transport Properties
- Water Content Functions
- Backward Functions

## Easy to Use!

Works within Microsoft Excel®, Mathcad®, MATLAB®, and EES Under Windows® 64-bit and 32-bit



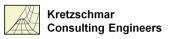
| FluidMAT            | Add-In <b>FluidEXL</b> |  |  |
|---------------------|------------------------|--|--|
| for Mathcad®        | for Excel®             |  |  |
| FluidLAB            | FluidEES               |  |  |
| for <b>MATLAB</b> ® | for <b>EES</b>         |  |  |

### Available at the ASHRAE Online Bookstore:

| Product                  | Member Price | List Price |
|--------------------------|--------------|------------|
| FluidEXL for Excel       | \$149        | \$179      |
| FluidLAB for MATLAB      | \$149        | \$179      |
| FluidMAT for Mathcad     | \$149        | \$179      |
| FluidEES for EES         | \$149        | \$179      |
| Combined Library (ALL 4) | \$290        | \$350      |



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