## The ASHRAE Library of Humid Air Psychrometric \& Transport Property Functions

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

## Accurate

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

| - Pressure: | 0.01 | $\leq$ | $\boldsymbol{P}$ | $\leq$ | 10,000 | kPa |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| - Temperature: | -143.15 | $\leq$ | $\boldsymbol{t}$ | $\leq$ | 350 | ${ }^{\circ} \mathrm{C}$ |
| - Humidity Ratio: | 0 | $\leq$ | $\boldsymbol{W}$ | $\leq$ | 10 | $\mathrm{~kg}_{\boldsymbol{w}} / \mathrm{kg}_{a}$ |

## Powerful and Flexible

- Thermodynamic Properties
- Saturation Properties
- Transport Properties
- Water Content Functions
- Backwards Functions
- Both I-P and SI Units



