

VIII W-PROPATH: Single Shot P- and A-PROPATH on Internet Web Page

W-PROPATH is a single shot programs for P- and A-PROPATH that is operated by CGI(Common Gateway Interface). Properties provided by P- and A-PROPATH are available through the Internet using a web browser. (A frames compatible web browser is required.)

1. System of Units

In P-PROPATH incorporated into W-PROPATH, users can directly change the unit of pressure, temperature, enthalpy, entropy, specific volume, thermal conductivity, viscosity, surface tension, Laplace coefficient, sonic velocity and Joule-Thomson coefficient, while the units of other properties are automatically changed according to the user's selection of units above.

In A-PROPATH incorporated into W-PROPATH, on the other hand, users change only unit of temperature (K or °C) and that of pressure (Pa or bar).

2. Functions Available

All FUNCTIONs in P-PROPATH and A-PROPATH are available.

3. Operation to Manage Erroneous FUNCTION REFERENCE

Though no error message appears explicitly, users can get the information about “no convergence” and “out of range” by means of the value displayed, such as -1.0×10^{10} and -1.0×10^{20} respectively.