This Excel Workbook is controlled by the most recent revision of the TET/Hastings Instruments Procedure number 535.

Workbook

on 9/3/2002
Added worksheets "Vol-MassFlowConversion" and "UnitsConversionTable"
on 6/27/2003
Added worksheets "Wetted Materials List" and "MatlCompatibility"
on 5/4/2004
Saved as an Excel Version 2003 Workbook
on 2/7/2006
Added Nickel colum to th wetted materials worksheet & modified MatlCompatibility worksheet to display data.

200GasTable

This table is a reproduction of
GASTABLE Audit trail: 4/28/99 changed measured values WJA
On 3/10/2000
TG^2 added the latest corrections as derived by one of the following methods;
1 Empirically determined at HI,
2 Multiple regression techniques fitted to NIST tables,
3 Calculated from virial coefficients fitted to various researchers' empirical data (p, T),
4 Calculated from virial coefficients fitted to various researchers' empirical data or ideal gas state (Temp only),
5 Calculated from specific heat data at 0°C / 1 atmosphere.
On 5/2/2000
Added temperature only option (#2 above). TG^2
1/31/2001
Added Boron Trichloride, Freon23 and Ozone. TG^2
On 2/6/2001
Used 1 atm and 342.15 K for all calculations instead of 35 psig.
On 2/15/2001
Added R column and gamma column.
Made all densities g/L.
On 6/13/2001
Added several gases to list for a total of 109.
On 7/31/2001
Added Hexene to list.
Corrected densities for C_2H_2, Air, CO_2, CO and C_2H_4.
Filled in absent densities based on the Ideal Gas Law.
Added or corrected synonyms.
Corrected gas numbers 39 and 40 for transposed data errors.
On 11/14/2001
All zero degree Centigrade densities computed according to Semi Std E12-96.
All twenty five degree Centigrade densities computed according to Ideal Gas Law.
R values for Nitrogen and Trichloroethylene corrected.
On 3/5/2002
Deleted Chlorotrifluoromethane which was duplicated as Freon 13.
Deleted Dichlorodifluoromethane which was duplicated as Freon 12.
Deleted Trichlorofluoromethane which was duplicated as Freon 11.
Added 85 new gases to list.