TYPE 580: PARAMETRIC TABLE OUTPUT PRINTER

General Description

The parametric table output printer prints specified results at the very end of a simulation to an assigned data file. Information can be *appended* instead of simply written to the output file such that the results from a parametric table analysis can be quickly viewed and compared. A time and date stamp is also appended to each set of results so that the user knows exactly when and from which input file the results were generated.

Detailed Description

When a TRNSYS parametric table is run, the set of output files from each run is saved separately resulting in a large quantity of files that must be post processed in order for results to be compared. Type580 combines the files together automatically, also writing header information if desired.

One important difference between Type580 and other printers in TRNSYS is that the name of the output file is not specified in an ASSIGN statement; it is automatically named tableres.out and is automatically saved in the same location as the TRNSYS input (deck) file. The logical unit number for the results file need not be specified as it is assigned internally.

The first parameter determines whether the results of each simulation will be appended at the end of the file or whether the file will be rewritten completely following each simulation.

The second parameter determines whether the simulation input file name and the end time of the simulation run will be recorded in the results file.

The third parameter determines what units will be printed at the top of each column. A third parameter value of 1 indicates the user will supply the unit names as the input initial values of the component. A value of 2 indicates that TRNSYS should try to determine the units itself based on the unit value codes set in the Fortran code of the output producing components themselves (see OCHECK and YCHECK discussion in Chapter 3 of the Main TRNSYS Manual). Setting the third parameter to zero will cause units to be left out of the output file.

The fourth parameter determines the delimiter that will be used in the output file. A value of 0 indicates that the file should be tab delimited. A value of 1 indicates that the file should be space delimited and a value of 2 indicates that commas should be used as separators.

The fifth and final parameter allows the user to specify column LABELS as well as units. If this parameters is set to a number greater than 0, the user must specify a LABELS card following the component's input initial values

Type580 prints the values of all its inputs once at the end of each simulation. It does not print any input values during the simulation. By default there is a maximum number of 100 inputs allowed. The number can be modified by contacting your distributor or by modifying the NINMAX parameter in the code, recompiling and relinking the appropriate dll.