

Appendix D

USING TSP ON A DOS/WIN PERSONAL COMPUTER

Installation of TSP on your personal computer is described in a memo accompanying the program diskettes. This appendix assumes that TSP is successfully installed on your hard disk.

D.1. Running TSP under Windows

A typical installation creates a TSP 4.4 folder in the Programs directory. This folder contains two icons:

1. Select *TSP Through the Looking Glass* to develop and run TSP programs in a Windows visual interface environment.
2. Select *TSP 4.4* to run TSP interactively, or if you prefer to run in a DOS environment.

See Chapter 2 of this manual for more information on batch and interactive modes, and *Through the Looking Glass*.

D.2. Running TSP under DOS

For interactive use, move into the \tsp44 directory (or the directory TSP is in) and type

TSP

or to run TSP from another directory insert the following statement in your \autoexec.bat file:

PATH . . . C:\(name of directory where TSP is installed) . . .

To run TSP in batch mode, supply the name of the TSP input file on the tsp command. For example,

TSP MYPROG

will run TSP with the commands in the file **myprog.tsp**, and output will appear in the file **myprog.out**. Note that the default filename extensions are .tsp and .out, just like the INPUT and OUTPUT commands. Full DOS pathnames are acceptable (limit of 128 characters per name). Batch mode is recommended for large programs or repeated programs in batch (.bat) files.

You can also specify a different name for the output file:

TSP MYPROG MYPROG2

D.3. Graphics in TSP: PLOT, GRAPH

Graphics features are only available in the DOS/Win version (not in the N87, OS/2 or unix versions). See the GRAPH and PLOT descriptions in the *TSP Reference Manual* or in Chapter 6 of this manual.

D.3.1. Choice of GRAPHICS cards for TSP

If you are running TSP from Windows, you will need to have TSP in full screen mode, to be able to view the graphs. (In Windows 95, clicking on the upper right-hand corner of the TSP window will put you into full-screen mode.) If you get a blank or strange screen when you try to make a graph, TSP may not understand the resolution of your monitor or graphics card. Try the OPTIONS DISPLAY=VGA; command for best compatibility, or see the GRAPHICS.DOC file

in the directory where TSP is installed for a list of higher-resolution choices to try.

D.3.2. Converting graphics output files for use in word processing files

TSP graphics can be placed in word processing files. For example, to insert in a Word or WordPerfect document. Use the options: DEV=LJ3, FILE='name.HPG', PORTRAIT, PREVIEW to create the graph.

To inset the graph `name.HPG` into a Word document, open the Word file and choose “picture” from the Insert menu. In the dialog box, specify `name.HPG` and choose the filter “HP Graphics Language”. (If the filter is not there, you will need to install it with your Word installation disks.) Click OK and `name.HPG` will be placed in the Word document. You can then size or edit it as you wish.

To place the graph in a WordPerfect document, you must first edit it as a plain DOS or ASCII file. On the first line, remove the first 3 or 4 characters so that it reads INSP1PA. Delete the last line, which will contain control characters such as `^[L`, `^[E`, etc. Save the file, and then open your document using WordPerfect. Choose figure from the Graphics menu. A file choice dialog box will appear, and you can specify the location of your HPG file. Click on OK and the graph will be placed in your WP document, where you can resize or edit it.

<p>Note: If you are using WordPerfect 5.1 or earlier, you will have to use the WordPerfect program GRAPHCNV to convert the HPG file to a WPG file before importing it into WordPerfect.</p>
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You can also display PostScript files (.PS) files in WordPerfect, but you cannot resize them.