Printing ***XSTABL*** files using Windows Software

XSTABL is a DOS program, and expects to communicate directly with the printer connected to the LPT1 (or LPT2) port. However, under a MS-Windows environment, this may not be possible due to

- Use of networked printers
- Use of a USB printer
- No access to printers via DOS

If you have difficulty printing, you may use other Windows software on your system to print using the Windows environment, as recommended by Microsoft.

Printing the Input and Output Files

The XSTABL input (*.IPT) and output (*.OPT) files are saved as simple, ASCII text files. You may import these files into Windows-NotePad, or any Windows wordprocessor and then print to a Windows compatible printer. Once you import such a file, please select a *fixed-width* font, such as "New Courier", and use a 10 or 11 point size. This will ensure that the tabulated data aligns properly.

Printing Graphical Output files with MS-Word and WordPerfect

To take advantage of the approach suggested here, the user must save the XSTABL graphics files in the WordPerfect Graphics format at the prompt which follows the display of all screen graphics during the analysis phase. These are:

1. *.WP1 – profile plot
2. *.WP2 – plot of all surface generated
3. *.WP3 – plot of the critical surfaces
4. *.WP4 – supplementary plot

You may print these plots using either MS-Word, or WordPerfect, by following the instructions given below. These instructions assume that you want to print a file named X_APP_1.WP3.

NOTE: MS-Word 2007 will not read a WordPerfect Graphics (WPG) file unless it has a "wpg" extension. In this case, just rename the "*.WP?" files such that they have a "wpg" extension, e.g. change original filename from "Ex_01.WP3" to "Ex_01-WP3.wpg".

MS-Word

1. Open a new document and set the page layout to "landscape" and the margins to:

Left:	1.0	Right:	0.7
Top:	0.3	Bottom:	0.4

2. Import file, X_APP_1.WP3 by going to the menu, and choosing: "Insert/Picture/From File" as shown in Figure 1.

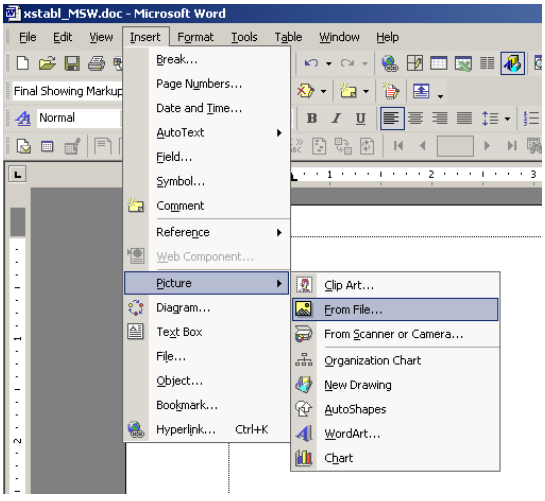


Figure 1

3. You may then browse to select the file from your working directory. Please note that you will have to search for Files of Type: "All Files (*.*)" to locate the *.WP? Files. Once you find the X_APP_1.WP3 file, select it with a double-click, or by pressing the "Insert" button. If you are using Word 2007, please make sure that the file extension has been changed to "wpg" for all of the files you plan to import. In Word 2007, look for the file named "X_APP_1-WP3.wpg".

4. Next you will be presented with the "Graphics Conversion" dialog box shown in Figure 2. Scroll to the end and select "WordPerfect Graphics" as the conversion filter. *If the WordPerfect Graphics option is not available, it means that it was not installed on your system. In this case, you will have to install this from the original Office CD.*

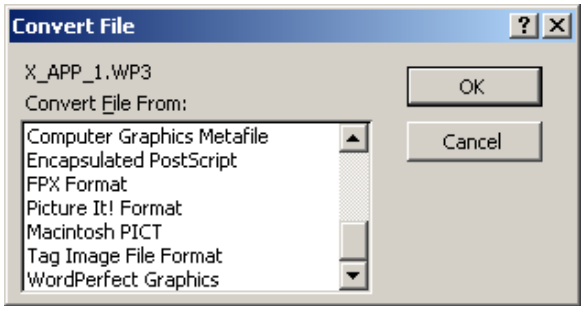


Figure 2

5. Once you successfully import the image, it will be small and you will need to scale the figure. This is accomplished by placing the mouse cursor over the image and pressing the right mouse button. The menu, shown in Figure 3, will pop-up. From this, select the "Format Picture" item.

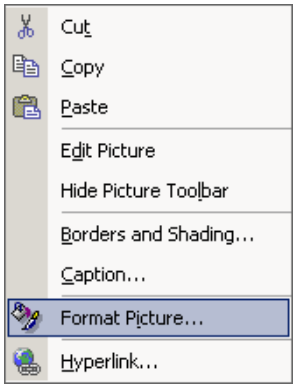


Figure 3

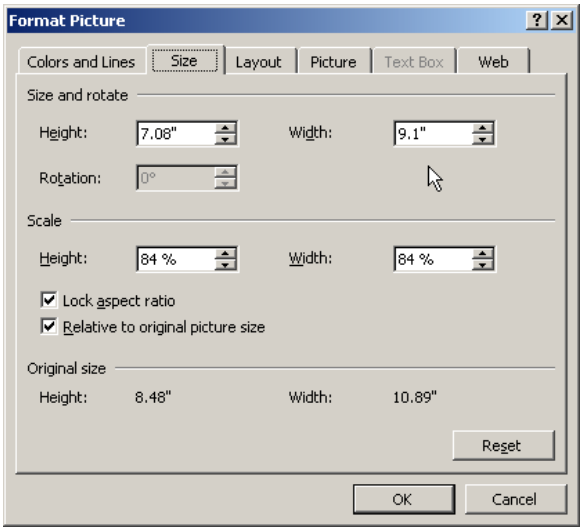


Figure 4

6. This will lead to the dialog box shown in Figure 4. Here, select the "Size" tab, and change the value of the width to "9.1". Click the "OK" button and the image will fill the page to provide you with the usual plot that is normally printed directly from XSTABL.

7. By repeating the above steps multiple times, all the generated images may be imported into the MS-Word file and then printed using a Windows compatible printer.

NOTE: Please refer to file: "XSTABL_MS.DOC" as an example of using Microsoft Word.

WordPerfect

1. Open a new document and set the page to “landscape” and the margins to:

Left:	1.0	Right:	0.7
Top:	0.3	Bottom:	0.4

2. Import file, X_APP_1.WP3 by going to the menu, and choose: “Insert/Graphics/From File” as shown in Figure 5.

3. You may then browse to select the file from your working directory. Once you find the X_APP_1.WP3 file, select it with a double-click, or by pressing the “Insert” button.

4. Once you successfully import the image, it will be small and you will need to scale it. This is accomplished by placing the mouse cursor over the image and pressing the right mouse button. The menu, shown in Figure 6, will pop-up. From this, select the “Size” option.

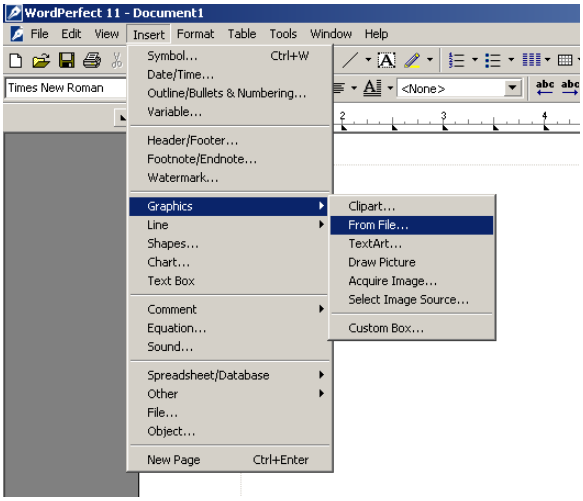


Figure 5

5. This will lead to the dialog box shown in Figure 7. From the “Box Size” dialog, select “Full” for the box *width*, and make sure that the “Maintain Proportions” radio-button is checked for the height . Click the “OK” button and the image will fill the page to provide you with the usual plot that is normally printed directly from XSTABL.

6. By repeating the above steps multiple times, all the generated images may be imported into the WordPerfect file and then printed using any Windows compatible printer.

Figure 6

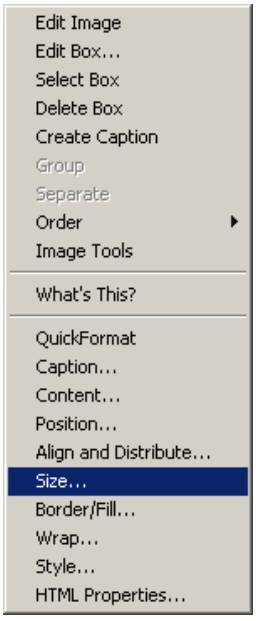
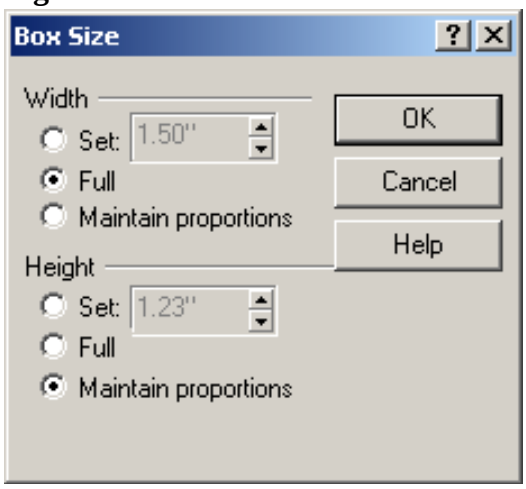


Figure 7



NOTE: Please refer to file: “XSTABL_WP.WPD” as an example of using WordPerfect.