

Troubleshooting

The following is a list of known bugs in the FTOOLS software and solutions to some common problems that may be encountered when using the FTOOLS package and tutorials.

- Some of the FTOOLS functions will not work if you are using Windows 95. Windows 98 or NT is required to maximize FTOOLS' capabilities.
- In order for FTOOLS to work, you must have the X-Server running. Thus, before beginning each section, double click on the Microimages X-Server icon on your desk top to open the X-Server window, and then click on the '-' in the upper right hand corner of the window to minimize it. If no X-Server icon exists, then you must create one. To create a program icon that isn't already on your desktop, open Windows Explorer, go to the *Tools* menu, select *Find*, and then select *Files or Folders*. In the *Named* entry field, type the name of the program you're looking for and its extension. (In this case, type **xs.exe**. The extension for any program you're looking for will usually be **.exe**. This extension stands for "executable" file, and thus identifies a program.) In the *Look In* field, select *Local hard drives*. Finally, click *Find Now*. The program should soon appear below. Press and hold down the left mouse button to select the program, and then, still holding down the button, drag your selection to anywhere on the desktop. (This is called "click and drag".) Once you close the *Find* window and the Windows Explorer, you can place the icon wherever you wish simply by clicking on it and dragging it there.
- The *first time you use the X-Server in each session*, (by employing *lcurve*, *xselect*, *powspec* or *fplot*), you may get a box that pops up with an error message that says "This program has performed an illegal function and will be shut down..." Just hit 'OK'. The program will not be shut down. You may also get a message in your BASH window that says "To plot vs. Time(s) , please enter PGPLOT file/type:" Enter **/xw** (even if you already entered that earlier when you were prompted for a device), and the program should then proceed correctly, plotting the graph in your X-Server window and providing you with a **PLT>** prompt.
- In order to analyze a data set, you must be *in* the directory in which that file is located. Anytime you get a message saying something like "file not found", chances are, you're in the wrong directory. Likewise, if you would like to access a directory, like *gkper* for example, and you are in another directory outside of *gkper*, like *amher* or *cygx-1*, you must go back up to the parent directory, *ftools*, before you can type **cd gkper**. The directory *gkper* is located in *ftools*, not in *amher* or *cygx-1*: *amher* and *cygx-1* are other subdirectories of *ftools*. To return to the parent directory, type **cd ~**. Then type **pwd** to make sure that you have returned to the directory **c/ftools**.

- If, during the untarring and decompression process, you receive a message in the BASH window about an “EOF exception”, go back and download the data again to get a different .tar file. This error may indicate that there is something wrong with the data.
- Filenames are NOT case sensitive under Cygwin BASH. Also important to note, the command **cd** IS case sensitive: thus the command **CD gkper** will not be recognized.
- Cygwin BASH is unstable under Windows 95/98 when running large and complex shell scripts. Particularly, after the FTOOLS hard disk version performs its additional setup steps when being run for the first time, you may find that some commands do not work, or that commands are echoed on a separate line before being executed. Currently, the only solution is to exit from FTOOLS and restart. In severe cases, Cygwin BASH may cause the computer to lock up, in which case you'll have to reboot your computer.
- FTOOLS plotting using the X Windows driver does not work under Windows 95. For FTOOLS installed to run off a CD-ROM under Windows 98, plotting using the X Windows driver also does not work, but plotting does work under Windows 98 when FTOOLS is installed to run off a hard disk. Plotting works in all cases under Windows NT.
- The Windows version of fv can only print line plots. Any images in a graph being printed will be ignored.