

## **DirSizer 1.2 - A ToolBook application to summarize disk usage by directory**

### Installation:

1. Copy the toolbook file **dirsizer.tbk** as well as the dynamic link libraries **tbksort.dll & tbkg1var.dll** into a directory on the path. In particular, the .dll files **must** be in the path. You should probably add it to the directory that has the rest of the toolbook system files.
2. Make sure that the toolbook system files (tbook.exe or toolbook.exe and the various link libraries) are in the path. Dirsizer.tbk makes numerous calls to the toolbook DLL's, and needs to find them.

### Use:

Launch the **DirSizer.tbk** book using the program or file manager, or however you like. Once the toolbook credits are over, just choose the drive you would like to summarize from the radio buttons, and click the "DirSize" button.

DirSizer.tbk automatically runs a second instance of itself, which does the work of scanning the disk files and adding up the file sizes. When done, the second instance exits automatically, and the results are displayed in the main listbox. This displays all the directories on the selected drive, and the approximate disk space occupied by the files in each directory. You can scroll the box to the end, where the number of files summarized, the free space and occupied space are given.

If you wish a more permanent record of the run, you can use the utilities menu on the menu bar to either copy the list box to the Windows Clipboard, or create an ASCII text file with the data.

### Notes:

1. **DirSizer.tbk** assumes a cluster size of 2K when computing the space used by each directory. Since this is not always the case, you can change the factor using the text box in the main display before clicking the DirSize button. This assumption is important, as DOS only returns the "file length" of a file, not the total space allocated. The latter is approximated by rounding the file length up to the nearest cluster.
2. The code is written as a series of nested loops which traverse the directory structure. An earlier formulation using a recursive approach ran out of memory rather quickly.

### Acknowledgements:

1. The interface owes much to the author of "Widgets.tbk", a gentlemen named Charles Allen Seybold I believe. Thank you.
2. The program is based on the Asymetrix "wipetree" script, recoded as a non-recursive routine.

### Warning:

You use these programs entirely at your own risk. I hope that they help you manage your disk better.

Author: Doug Overmyer, CIS 71021,2535

### Rel 1.2 Enhancements:

1. Eliminate dirsizr1.tbk - now incorporated in the second instance of dirsizer.tbk.
2. Add clipboard and disk file export.