

## Saving Shared Procedure Files

If you modify a shared procedure file, Igor saves it when you save the experiment that is sharing it. However, you might want to save the procedure file without saving the experiment. For this, choose File→Save Procedure.

## Including a Procedure File

You can put an include statement in any procedure file. An include statement automatically opens another procedure file. This is the recommended way of accessing files that contain utility routines which you may want to use in several experiments. Using an include statement is preferable to opening a procedure file explicitly because it doesn't rely on the exact location of the file in the file system hierarchy.

Here is a typical include statement:

```
#include <MatrixToXYZ>
```

This automatically opens the MatrixToXYZ.ipf file supplied by WaveMetrics in "Igor Pro Folder/WaveMetrics Procedures/Data Manipulation". The angle brackets tell Igor to search the "Igor Pro Folder/WaveMetrics Procedures" hierarchy.

To see what WaveMetrics procedure files are available, choose Help→Help Windows→WM Procedures Index.

You can include your own utility procedure files by using double-quotes instead of the angle-brackets shown above:

```
#include "Your Procedure File"
```

The double-quotes tell Igor to search the "Igor Pro Folder/User Procedures" and "Igor Pro User Files/User Procedures" hierarchies (see **Igor Pro User Files** on page II-31 for details) for the named file. Igor searches those folders and subfolders and files or folders referenced by aliases/shortcuts in those folders.

These are the two main variations on the include statement. For details on less frequently used variations, see **The Include Statement** on page IV-166.

Included procedure files are not considered part of the experiment but are automatically opened by Igor when it compiles the experiment's procedures.

To prevent accidental alteration of an included procedure file, Igor opens it either write-protected (User Procedures) or read-only (WaveMetrics Procedures). See **Write-Protect Icon** on page III-397.

A #include statement must omit the file's ".ipf" extension:

```
#include <Strings as Lists>      // RIGHT
#include <Strings as Lists.ipf>  // WRONG
```

## Creating Packages

A package is a set of procedure files, help files and other support files that add significant functionality to Igor.

Igor comes pre-configured with numerous WaveMetrics packages accessed through the Data→Packages, Analysis→Packages, Misc→Packages, Windows→New→Packages and Graph→Packages submenus as well as others.

Intermediate to advanced programmers can create their own packages. See **Packages** on page IV-246 for details.