Any text wave	-4
Any WAVE/WAVE	-5
Any WAVE/DF	-6

Return Type and Parameter Type Code Examples

This section shows common values used with the PARAM_N_TYPE and RETURN_N_TYPE keywords:

Any real-valued numeric wave	-2	
Any complex numeric wave	-3	
Any text wave	-4	
Wave/S	16386	0x4000 + 2
Wave or Wave/D	16388	0x4000 + 4
Wave/C or Wave/D/C	16389	0x4000 + 4 + 1
Wave/T	16384	0x4000 + 0

If /Z is used, add 32768 or 0x8000.

For pass-by-reference parameters, add 4096 or 0x1000.

To list user-defined functions in the main procedure window that have either a Wave or Wave/D first parameter, with or without /Z:

```
Print FunctionList("*",";","KIND:2,PARAM_0_TYPE:-2,WIN:Procedure") // WIN must be last
```

Examples

To list user-defined fitting functions for two independent variables:

```
Print FunctionList("*",";","KIND:10,NINDVARS:2")
```

To list button-control functions that start with the letter *b* (note that button-control functions are user-defined):

```
Print FunctionList("b*",";","KIND:2,SUBTYPE:ButtonControl")
```

See Also

Independent Modules on page IV-238, **Multiple Return Syntax** on page IV-36, **Procedure Subtypes** on page IV-204.

FunctionInfo, **FuncRefInfo**, **MacroList**, **OperationList**, **StringFromList**, **WinList**, **DisplayProcedure**

FunctionPath

FunctionPath(*functionNameStr*)

The FunctionPath function returns a path to the file containing the named function. This is useful in certain specialized cases, such as if a function needs access to a lookup table of a large number of values.

The most likely use for this is to find the path to the file containing the currently running function. This is done by passing "" for *functionNameStr*, as illustrated in the example below.

The returned path uses Macintosh syntax regardless of the current platform. See **Path Separators** on page III-451 for details.

If the procedure file is a normal standalone procedure file, the returned path will be a full path to the file.

If the function resides in the built-in procedure window the returned path will be ":Procedure". If the function resides in a packed procedure file, the returned path will be ":<packed procedure window title>".

If FunctionPath is called when procedures are in an uncompiled state, it returns ":".

Parameters

If *functionNameStr* is "", FunctionPath returns the path to the currently executing function or "" if no function is executing.