

**Example**

```

// DemoWaveRefIndexedDFR can be called like this:
// DemoWaveRefIndexedDFR(root:, 0)           // Work on root
// DemoWaveRefIndexedDFR(root:SubDataFolder, 0) // Work on root:SubDataFolder
// DemoWaveRefIndexedDFR(:, 0)                 // Work on current data folder
Function DemoWaveRefIndexedDFR(dfr, recurse)
    DFREF dfr
    Variable recurse

    Variable index = 0
    do
        Wave/Z w = WaveRefIndexedDFR(dfr, index)
        if (!WaveExists(w))
            break
        endif
        String path = GetWavesDataFolder(w, 2)
        Print path
        index += 1
    while(1)

    if (recurse)
        Variable numChildDataFolders = CountObjectsDFR(dfr, 4)
        Variable i
        for(i=0; i<numChildDataFolders; i+=1)
            String childDFName = GetIndexedObjNameDFR(dfr, 4, i)
            DFREF childDFR = dfr:$childDFName
            DemoWaveRefIndexedDFR(childDFR, 1)
        endfor
    endif
End

```

**See Also****WaveRefIndexed, NameOfWave, GetWavesDataFolder**For a discussion of wave references, see **Wave Reference Functions** on page IV-197.

## WaveRefsEqual

**WaveRefsEqual (w1, w2)**

The WaveRefsEqual function returns the truth the two wave references are the same.

**See Also****Wave Reference Functions** on page IV-197

## WaveRefWaveToList

**WaveRefWaveToList (waveRefWave, option)**

The WaveRefWaveToList function returns a semicolon-separated string list containing data folder paths.

Each element of the returned string list is the full or partial path to the wave referenced by the corresponding element of *waveRefWave*. Entries in *waveRefWave* that are NULL or entries that correspond to free waves result in an empty list element.

The WaveRefWaveToList function was added in Igor Pro 7.00.

**Parameters***waveRefWave* is a wave reference wave each element of which contains a reference to an existing wave or NULL (0).*option* determines if the returned path is a full path or a partial path relative to the current data folder:*option*=0: Full path.*option*=1: Partial path relative to the current data folder.Other values of *option* are reserved for the future.