

FontList

```
FMaxFlat/SYM 0.25, 0.05, coefs           // Make symmetrical FIR filter
Display coefs

// Analyze the filter's frequency response
FFT/OUT=3/PAD={256}/DEST=coefs_FFT coefs
Display coefs_FFT                         // Filter response for 1Hz sample rate

// Make sample data: a sweep from 0 to 20500 Hz
Make/O/N=1000 data= sin(p*p/1000*pi/2)    // 0 to fs/2
SetScale/P x, 0, 1/41000, "s" data         // 41000 Hz sample rate
Display data

// Analyse unfiltered data's frequency content
FFT/OUT=3/PAD={1000}/DEST=data_FFT data   // Data frequency response
Display data_FFT

// Apply filter to copy of data
Duplicate/O data, filtered; DelayUpdate
FilterFIR/DIM=0/COEF=coefs filtered
Display filtered

// Analyse filtered data's frequency content
FFT/OUT=3/PAD={1000}/DEST=filtered_FFT filtered // Filtered data frequency response
Display filtered_FFT                         // Tile Graphs
TileWindows/O=1
```

References

Elliot, Douglas F., contributing editor, *Handbook of Digital Signal Processing Engineering Applications*, Academic Press, San Diego, CA, 1987.

Kaiser, J.F., *Design subroutine (MXFLAT) for symmetric FIR low pass digital filters with maximally flat pass and stop bands*.

IEEE Digital Signal Processing Committee, Editor, *Programs for Digital Signal Processing*, IEEE Press, New York, 1979.

See Also

Remez, FilterFIR

FontList

FontList(*separatorStr* [, *options*])

The FontList function returns a list of the installed fonts, separated by the characters in *separatorStr*.

Parameters

A maximum of 10 bytes from *separatorStr* are appended to each font name as the output string is generated. *separatorStr* is usually ";".

Use *options* to limit the returned font list according to font type. It is restricted to returning only scalable fonts (TrueType, PostScript, or OpenType), which you can do with *options* = 1.

To get a list of nonscalable fonts (bitmap or raster), use:

```
String bitmapFontList = RemoveFromList(FontList(";",1), FontList(";"))

(Most Mac OS X fonts are scalable, so bitmapFontList may be empty.)
```

Examples

```
Function SetFont(fontName)
  String fontName
  Prompt fontName,"font name:",popup,FontList(";")+"default;"
  DoPrompt "Pick a Font", fontName

  Print fontName

  Variable type= WinType("")                      // target window type
  String windowName= WinName(0,127)
  if((type==1) || (type==3) || (type==7))        // graph, panel, layout
    Print "Setting drawing font for "+windowName
    Execute "SetDrawEnv fname=\""+fontName+"\""
  else
    if( type == 5 )                                // notebook
      Print "Setting font for selection in "+windowName
      Notebook $windowName font=fontName
    endif
```