This is a test of the listings package for Igor Pro syntax.

Version April 25, 2021

Here are the LaTeX compiler directives.

```
\documentclass[12pt]{article}

\usepackage{listings}
\usepackage{xcolor}

\definecolor{igorgreen}{RGB}{0,156,0}
\definecolor{igorbrown}{RGB}{195,78,0}
\definecolor{igorturquoise}{RGB}{0,117,117}
\definecolor{igorviolet}{rgb}{0.74,0.2,0.64}

\lstdefinelanguage{IgorPro}{%
    language=C,
    sensitive=false,
    commentstyle=\color{red},
    stringstyle=\color{igorgreen},
    directivestyle=\color{igorviolet},
    literate={^}{{\string^}}{1},
    keywordstyle=[1]\color{blue},
    morekeywords=[1]{Function, End, Structure, STRUCT},
    morekeywords=[1]{Static, Constant, Menu, Threadsafe},
    morekeywords=[1]{string, wave, variable},
    morekeywords=[1]{switch, strswitch, endswitch, if, else, elseif, endif},
    morekeywords=[1]{for, endfor, do, while, return, case, break},
    keywordstyle=[2]\color{igorturquoise},
    morekeywords=[2]{make, print, display, edit},
    morekeywords=[2]{append, appendtograph, appendtotable}
    }

\begin{document}

\lstset{language=IgorPro}
\begin{lstlisting}[. . . put your style options here . . . ]

. . . put your Igor Pro code here

\end{lstlisting}

\end{document}
```

```
// header
#pragma TextEncoding = "UTF-8"
#pragma rtGlobals=3

// the standard
Function HelloWorld()

    print "Hello world!"

    return 0
end

// over again
function HelloWorldAgain()

    string somestr ="Hello World!"
    Variable somevar = 1

    print num2str(somevar) + " --> " + somestr

    Return 0
End

Static Function StuckHere(variable withme, string withoutyou)

    if (withme == 0)
        print "Oh my! " + withoutyou
    else
        print "Good news!"
    endif

    return 0
end

Threadsafe Function LongWayCommands()

    variable ic
    make/N=10/T twave = "No way " + num2str(p)

    for (ic=0;ic<10;ic+=1)
        print twave[ic] + "\r"
    endfor

    return 0
end

Function GraphandTableStuff()

    make/N=101/D/O gwave=sin(x)
    display
    appendtograph gwave
    edit
    appendtotable gwave

    return 0
end
```