

```

First_Band = isempty(findstr('DC-0',Ftype)) &&
            ;((isempty(findstr('HIGH',Ftype)
;mags = rem( First_Band + (0:nbands-1), 2
            ;['(:)aa = [mags(:)'; mags

            ;(:)aa = aa
-----%
            -----
            (function [Wind,msg] = chkwindow(Wind,L
CHKWINDOW    Check if specified window is valid, assign default if%
            .empty

            ;'' = msg

            ,(if isempty(Wind
.Replace the following with the default window of your choice %
            ;(Wind = hamming(L
            end
            if length(Wind) ~= L
;'.msg = 'The window length must be the same as the filter length
            end
            %
            to use Kaiser window, beta must be supplied %
            att = 60; % dB of attenuation desired in sidelobe %
            ;(beta = 0.1102*(att-8.7 %
            ;(wind = kaiser(L,beta %
            -----%
            (function b = scalefilter(b,First_Band,ff,L
.SCALEFILTER    Scale filter to have passband approx. equal to one%

            if First_Band
            b = b / sum(b); % unity gain at DC
            else
            if ff(4)==1
            unity gain at Fs/2 %
            ;f0 = 1
            else
            unity gain at center of first passband %
            ;((f0 = mean(ff(3:4
            end
            ;( ('.b = b / abs( exp(-j*2*pi*(0:L-1)*(f0/2)))*(b
            end
            -----%
            (function Ftype = defaultftype(Wn
.DEFAULTFTYPE    Assign default filter type depending on number of bands%
            ,if length(Wn) == 1
            ;'Ftype = 'low
            ,elseif length(Wn) == 2
            ;'Ftype = 'bandpass
            ,elseif length(Wn) >= 3
            ;'Ftype = 'dc-0
            end

```