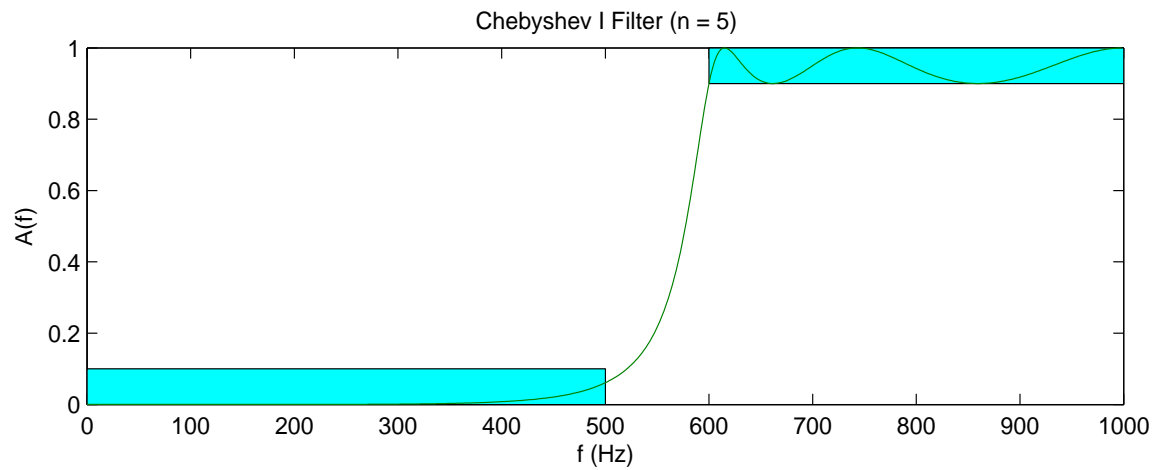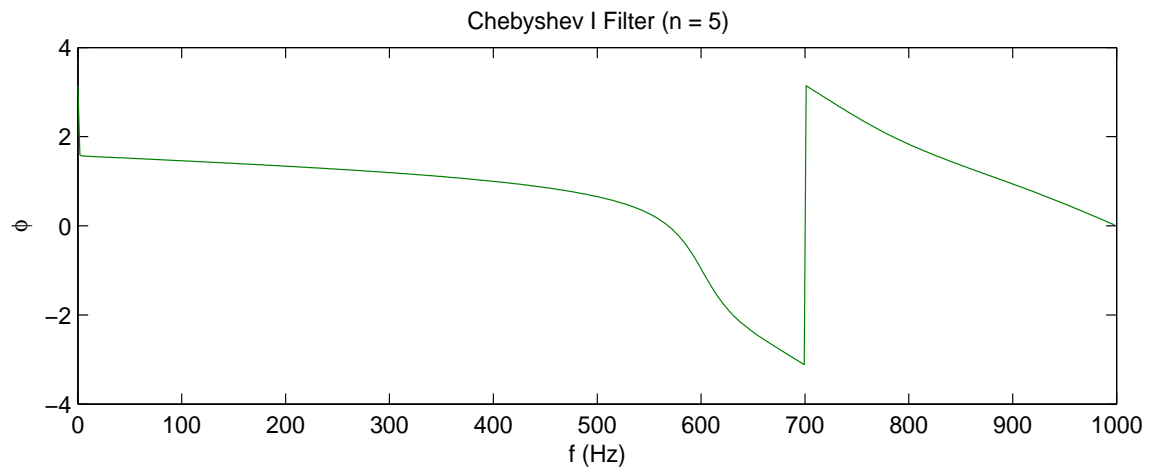8.26 Use the GUI module *g_iir* to design a highpass Chebyshev-I filter using the default parameter values. Adjust the filter order to the lowest value that meets or exceeds the specifications. Plot the following.

(a) The magnitude response

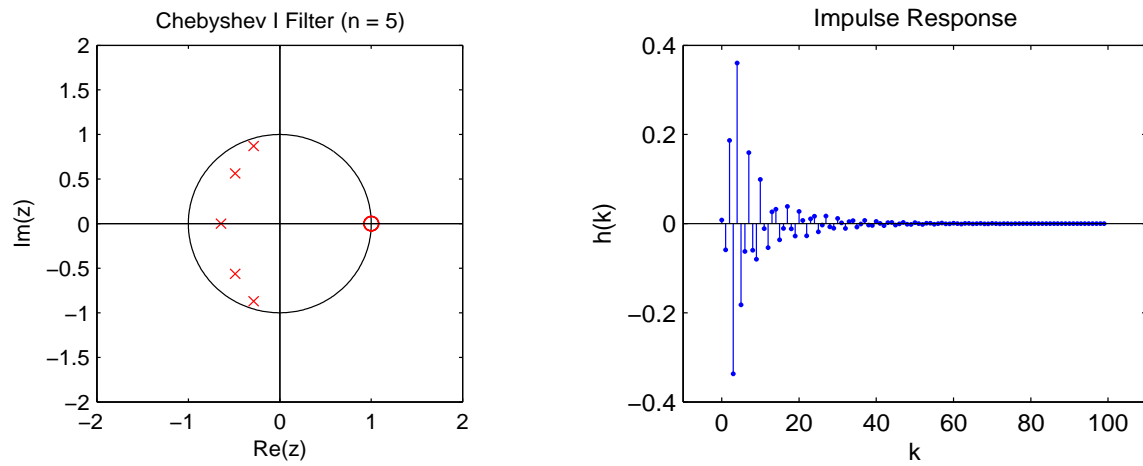(b) The phase response. Is this a linear-phase filter?

(c) The pole-zero plot

Solution

(a) Chebyshev-I Highpass Magnitude Response

(b) Chebyshev-I Highpass Phase Response (not linear phase)

(c) Chebyshev-I Highpass Pole-Zero Plot