

BANDPASS FILTER APPROXIMATION CHOICES

1. Transform from low-pass transfer function:
 - a. reactance transformation – simple but restricted;
 - b. Moebius transformation – more general, but tricky.
2. Direct design:
 - a. maximally flat passband, arbitrary stopband – simple, but not selective;
 - b. equal-ripple passband, arbitrary stopband – more selective, but trickier.
3. For very wide passband, use a cascade of a lowpass and highpass filter.
Passband ripples combine.
4. For narrow-band filters with flat delay, use the approximation discussed on pp. 533-535 in the book.