High Pass Filter Example

Types of Filters

Low Pass filter

- Passes frequencies below f_{co}
  - f_{co} = cutoff frequency
- Emphasizes “bass”

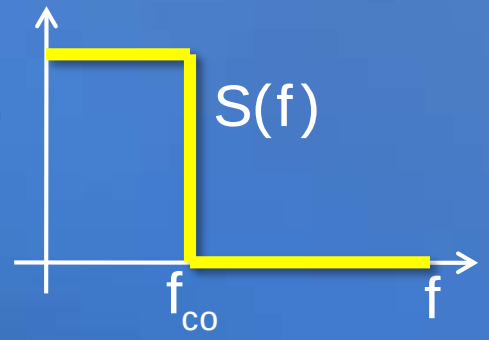
Band Pass filter

- Passes frequencies between f_l and f_h
  - f_l = low frequency cutoff
  - f_h = high frequency cutoff
- Emphasizes “midrange”

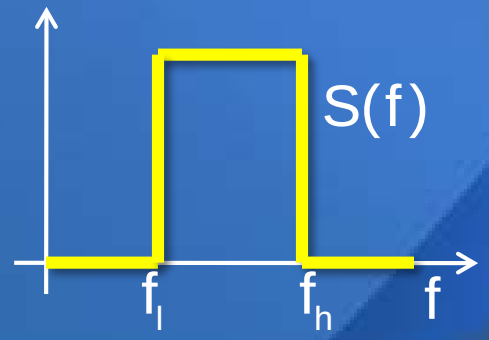
High Pass filter

- Passes frequencies above f_{co}
- Emphasizes “treble”

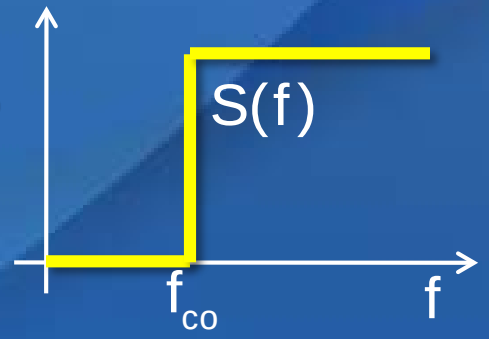
Lowpass Filter



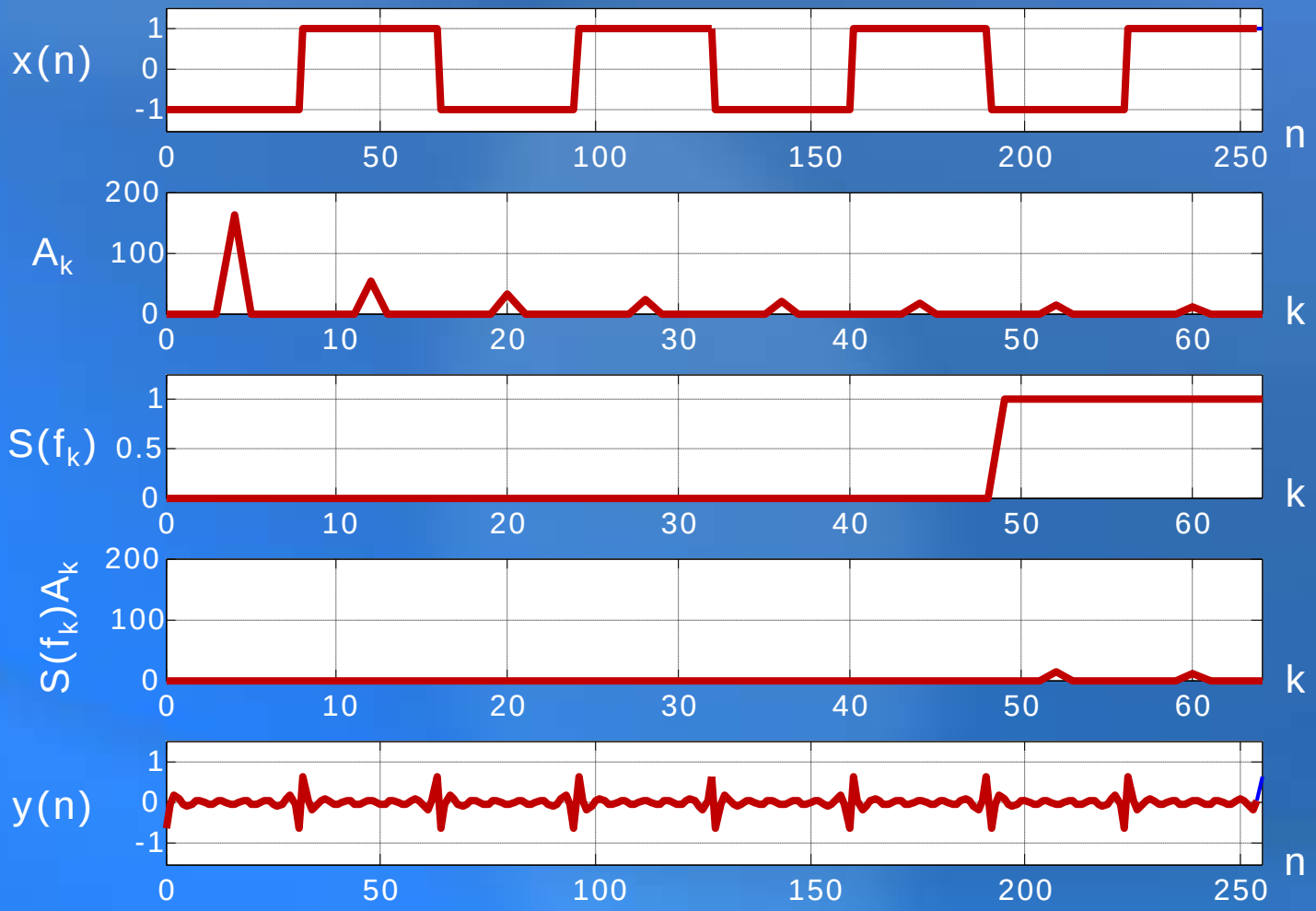
Bandpass Filter

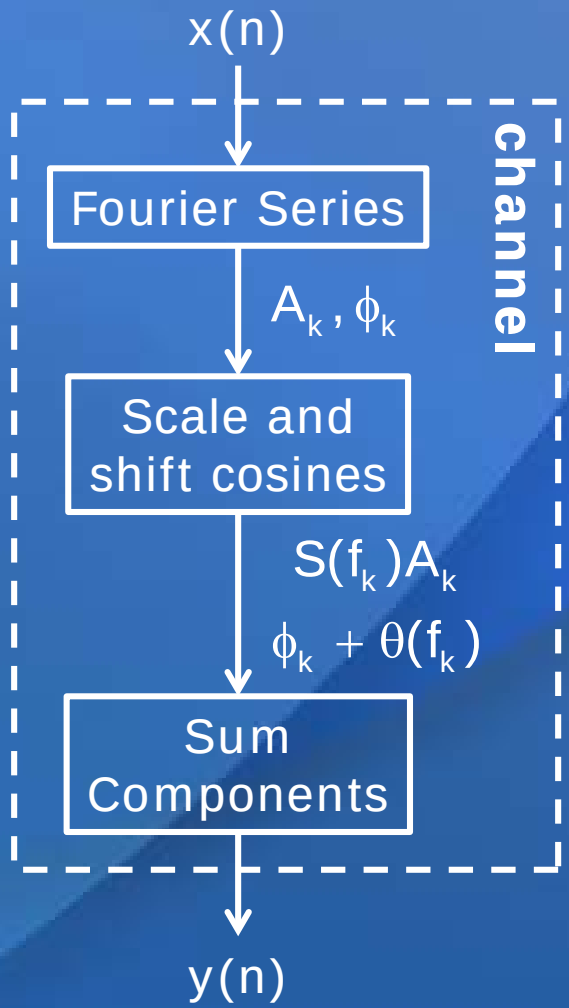


Highpass Filter

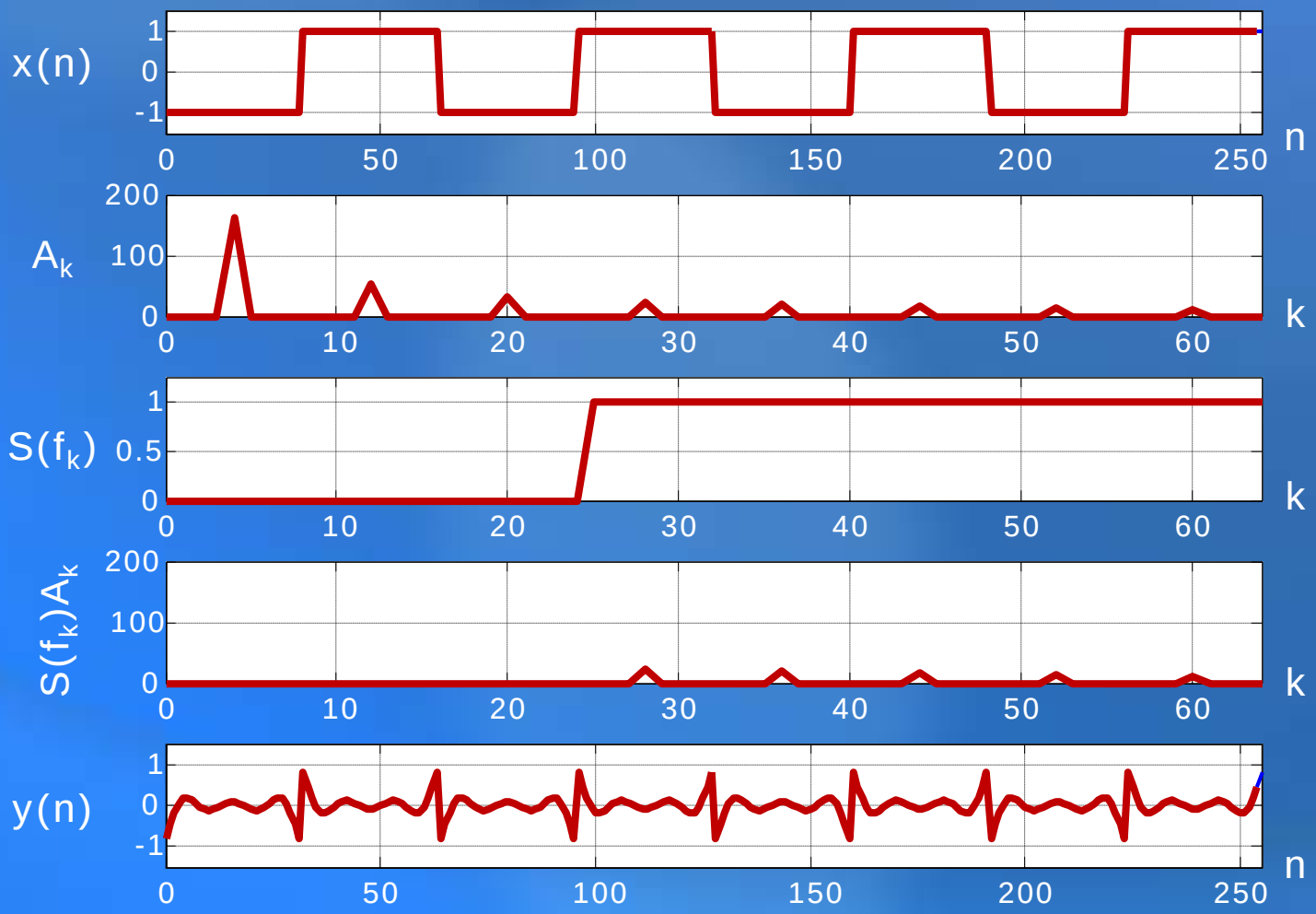


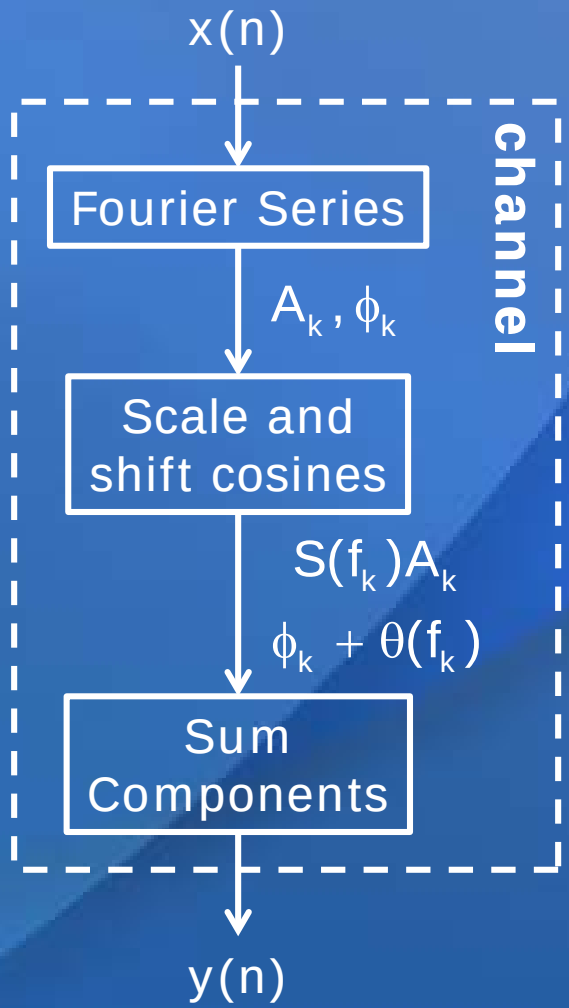
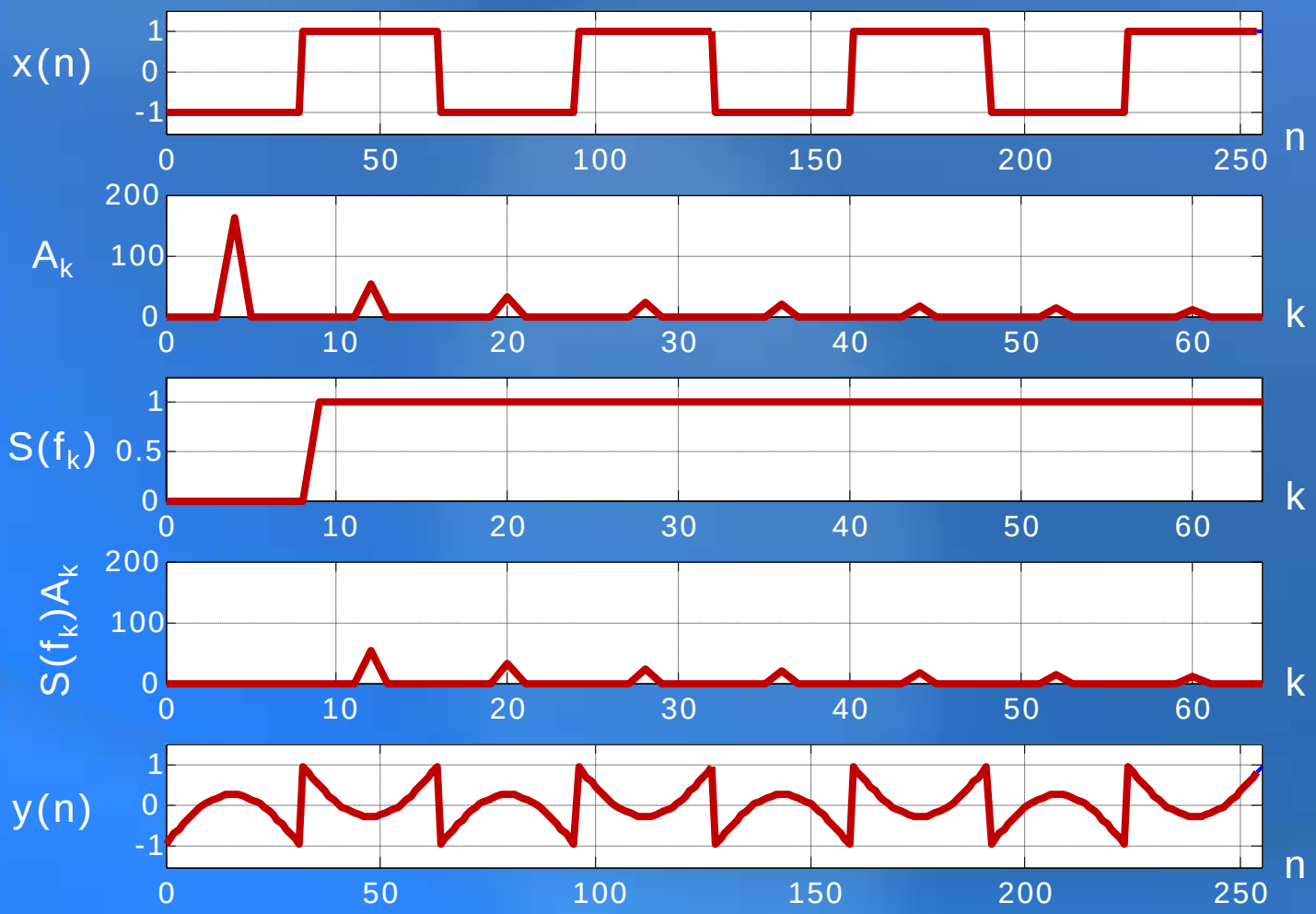
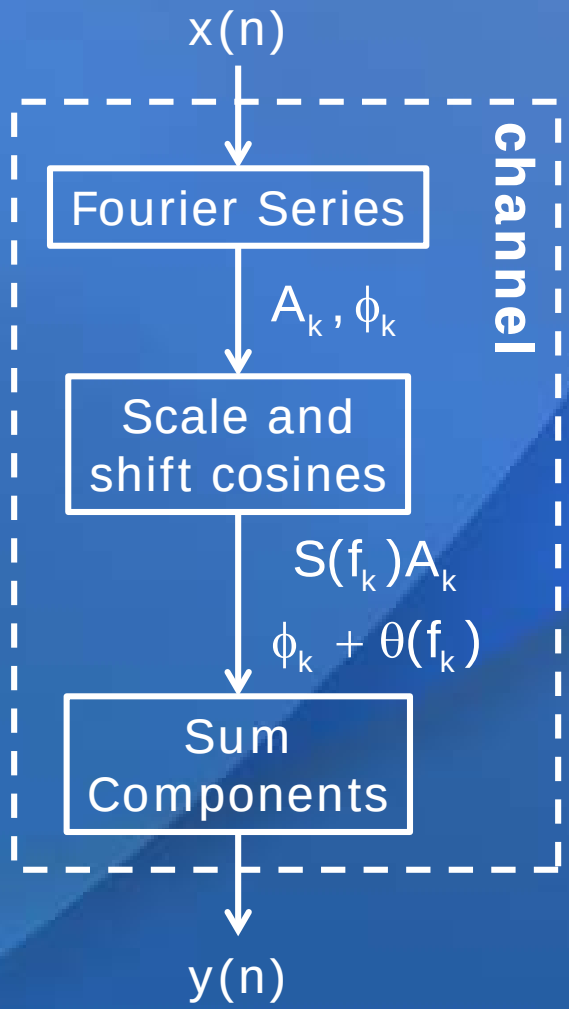
High Pass Filter $f_{co} = 48/256$





High Pass Filter $f_{co} = 24/256$





High Pass Filter $f_{co} = 8/256$