

8-5-5. Noise removal by FIR (finite impulse response) filter

Click [Filters (temporal)]-[Finite impulse response (FIR) filter...] to display the following screen, which uses a FIR (finite impulse response) filter to remove noise.

If you click on an image, original waveform at that point will be gray, and FIR filtered waveform will be green.

Cutoff frequency 1

Cutoff frequency 2
(Can be input only when
Filter type=Band-pass or
Band-stop)

Sampling rate during
image acquisition

Select filter type

- Low-pass
- High-pass
- Band-pass
- Band-stop

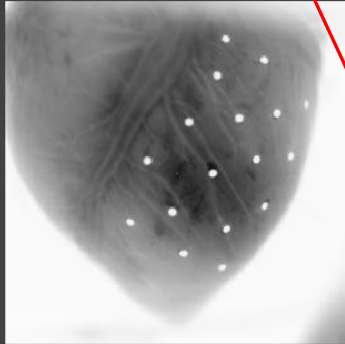
Select window function

- Blackman-Harris
- Hamming
- Hann

Increase value to make
frequency response
sharper. Output delay is
proportional to this value.

Click to remove the
filter delay of (N-1)/2
samples.

FIR filter



Cutoff frequency 1 Hz

Cutoff frequency 2 Hz

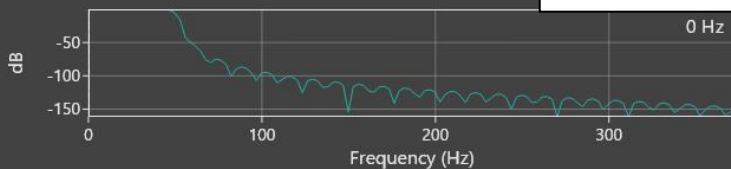
Sample rate Hz

Filter type

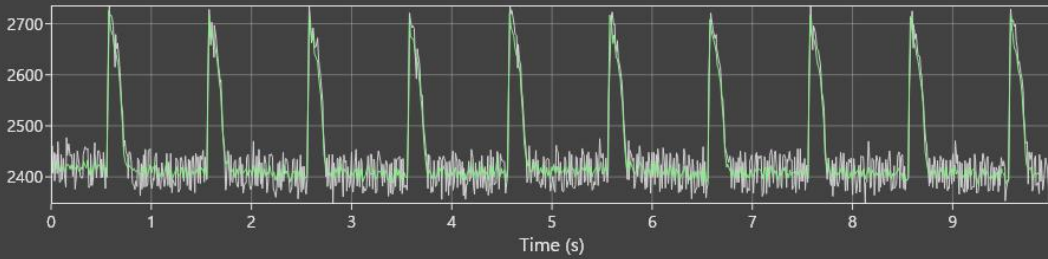
Window function

Filter length (N)

Compensate delay



Preview :



Execution

Cancel