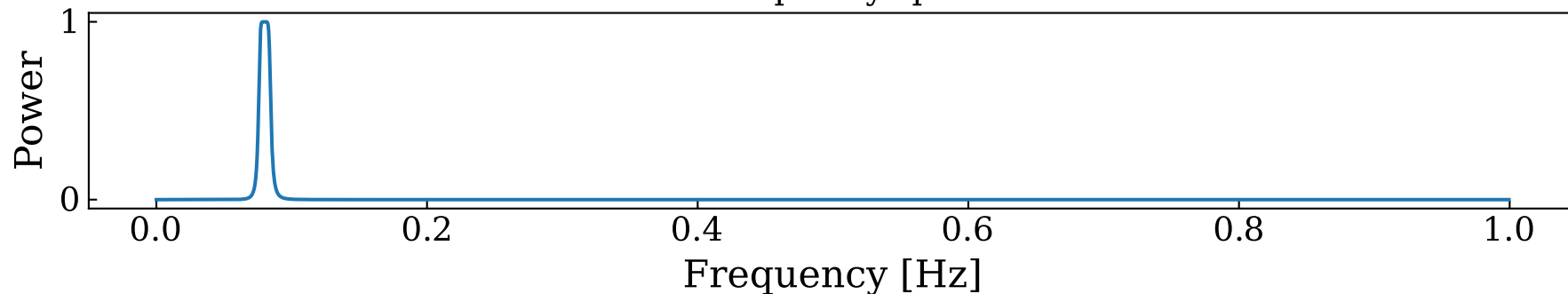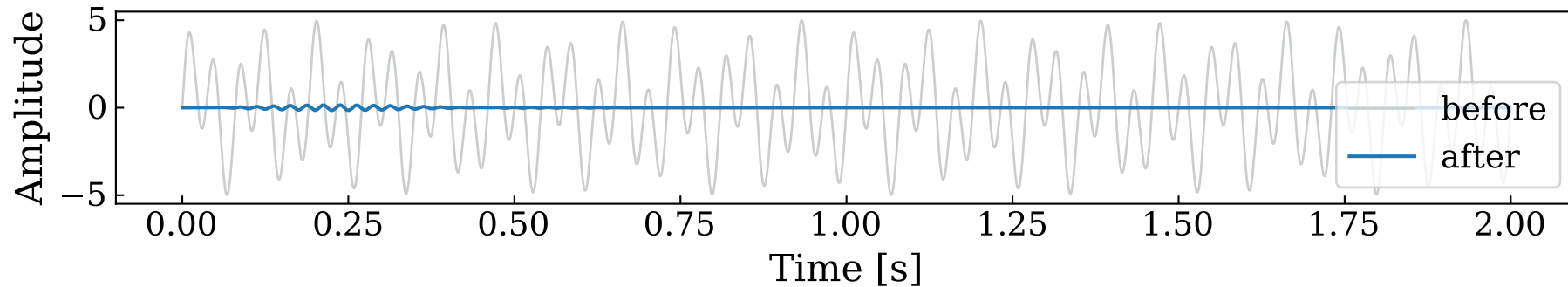bandpass filter, SNR=-3.362 [dB]

Filter frequency spectrum

Result

Spectrum of the result