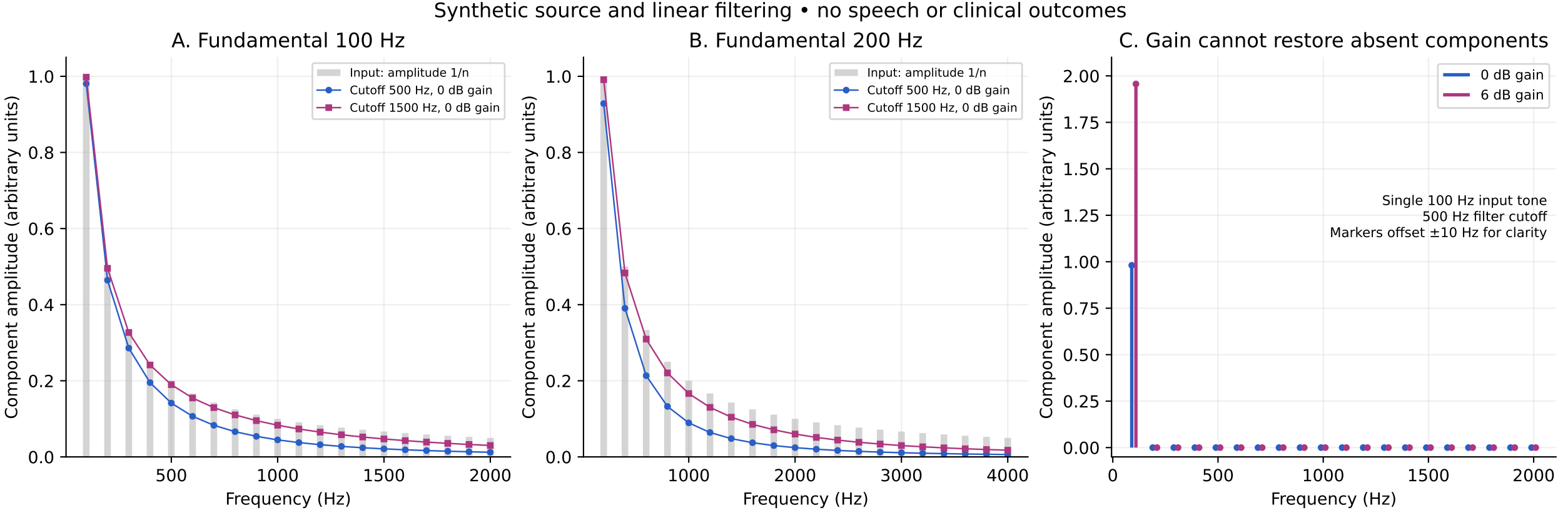

Synthetic source and linear filtering • no speech or clinical outcomes
A. Fundamental 100 Hz
B. Fundamental 200 Hz
C. Gain cannot restore absent components
Component amplitude (arbitrary units)
Frequency (Hz)
Input: amplitude 1/n
Cutoff 500 Hz, 0 dB gain
Cutoff 1500 Hz, 0 dB gain
0 dB gain
6 dB gain
Single 100 Hz input tone
500 Hz filter cutoff
Markers offset ±10 Hz for clarity