A
filter
pos. lobe
neg. lobe
0.1
10ms
B
stimulus [dB]
onset
offset
filtered stimulus [dB]
10ms
integrating (or lowpass) filter
differentiating (or bandpass) filter
C
stimulus [dB]
filtered stimulus [dB]
rebound
10ms
D
firing rate [Hz]
filtered stimulus [dB]
10ms
E
firing rate [Hz]
filtered stimulus [dB]
10ms
F
filtered stimulus [dB]
10ms
adaptation signal
$x_0 + wx_{ada}$
adapted output (divisive normalization)
adapted output (differentiating filter)
normalized response
10ms