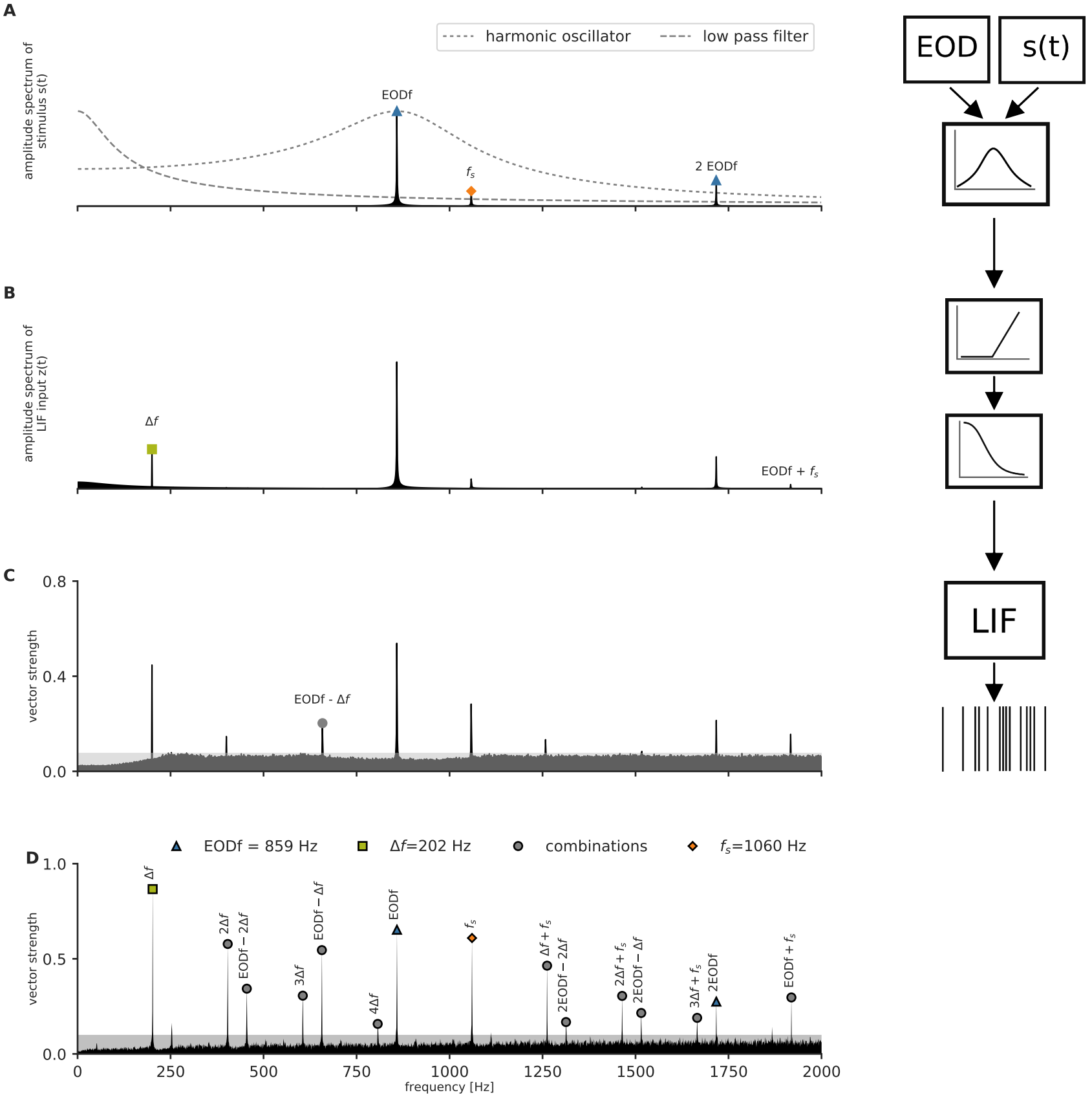
A
harmonic oscillator
low pass filter
amplitude spectrum of stimulus s(t)
EODf
f_s
2 EODf
B
amplitude spectrum of LIF input z(t)
Δf
EODf + f_s
C
vector strength
0.8
0.4
0.0
EODf - Δf
D
EODf = 859 Hz
Δf=202 Hz
combinations
f_s=1060 Hz
vector strength
1.0
0.5
0.0
Δf
$2\Delta f$
EODf − $2\Delta f$
$3\Delta f$
EODf − Δf
$4\Delta f$
EODf
f_s
$\Delta f + f_s$
2EODf − $2\Delta f$
$2\Delta f + f_s$
2EODf − Δf
$3\Delta f + f_s$
2EODf
EODf + f_s
0
250
500
750
1000
1250
1500
1750
2000
frequency [Hz]
EOD
s(t)
LIF