

$a(f)$ for $I_1 = 55 \text{ mV}$

amplitude
[nA]

4,5

4,0

3,5

3,0

2,5

2,0

1,5

1,0

0,5

0

$b(\omega \rightarrow 0) = 0,1$

$$b(\omega') = 2,5 \Rightarrow \frac{b(\omega')}{f/2} = 1,22$$

$$\Delta f = 25 \text{ Hz}$$

$$H = \frac{2\pi}{4000} (f_2 - f_1) = 0,36$$

$$\Delta H = 0,06$$

$f_1 = 1885$

$f_2 = 2115$

frequency
[Hz]

300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000