EQUAL LOUDNESS CURVES:

Name: .....

Group:.....

Date: .....

1. Goal of the experiment: .....

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2. Estimation of threshold of hearing for tones of different frequencies.

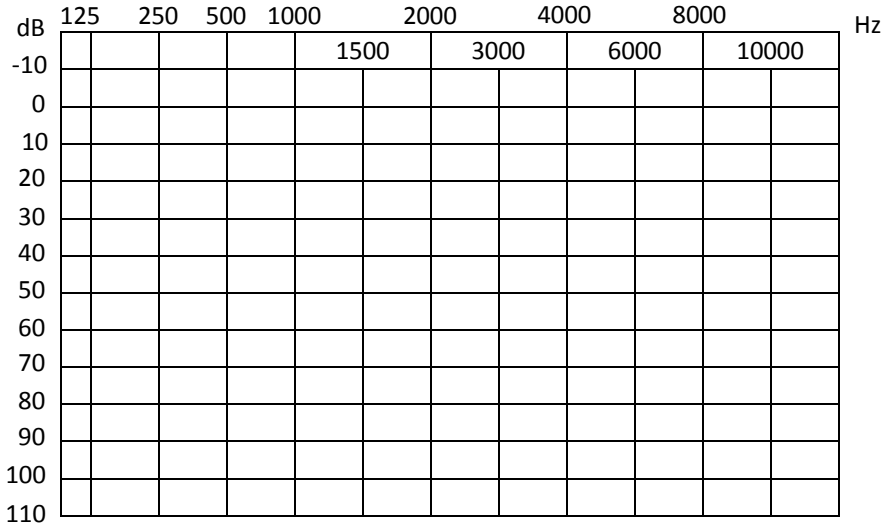
   Results of measurements of voltage U as a function of frequency f:

	Frequency f, Hz	log f	Threshold voltage		Mean value $\overline{U}$	Power level
			U_1	U_2		
1	250	2,40				
2	500	2,70				
3	1000	3,00				
4	1500	3,18				
5	2000	3,30				
6	3000	3,48				
7	4000	3,60				
8	6000	3,78				
9	8000	3,90				
10	10000	4,00				

Make a graph of the threshold power level as a function of frequency: $L_p = f(\log f)$

Estimation of thresholds of hearing using an audiometer.

AUDIOGRAM



× – left ear
O – right ear

Conclusions: .....

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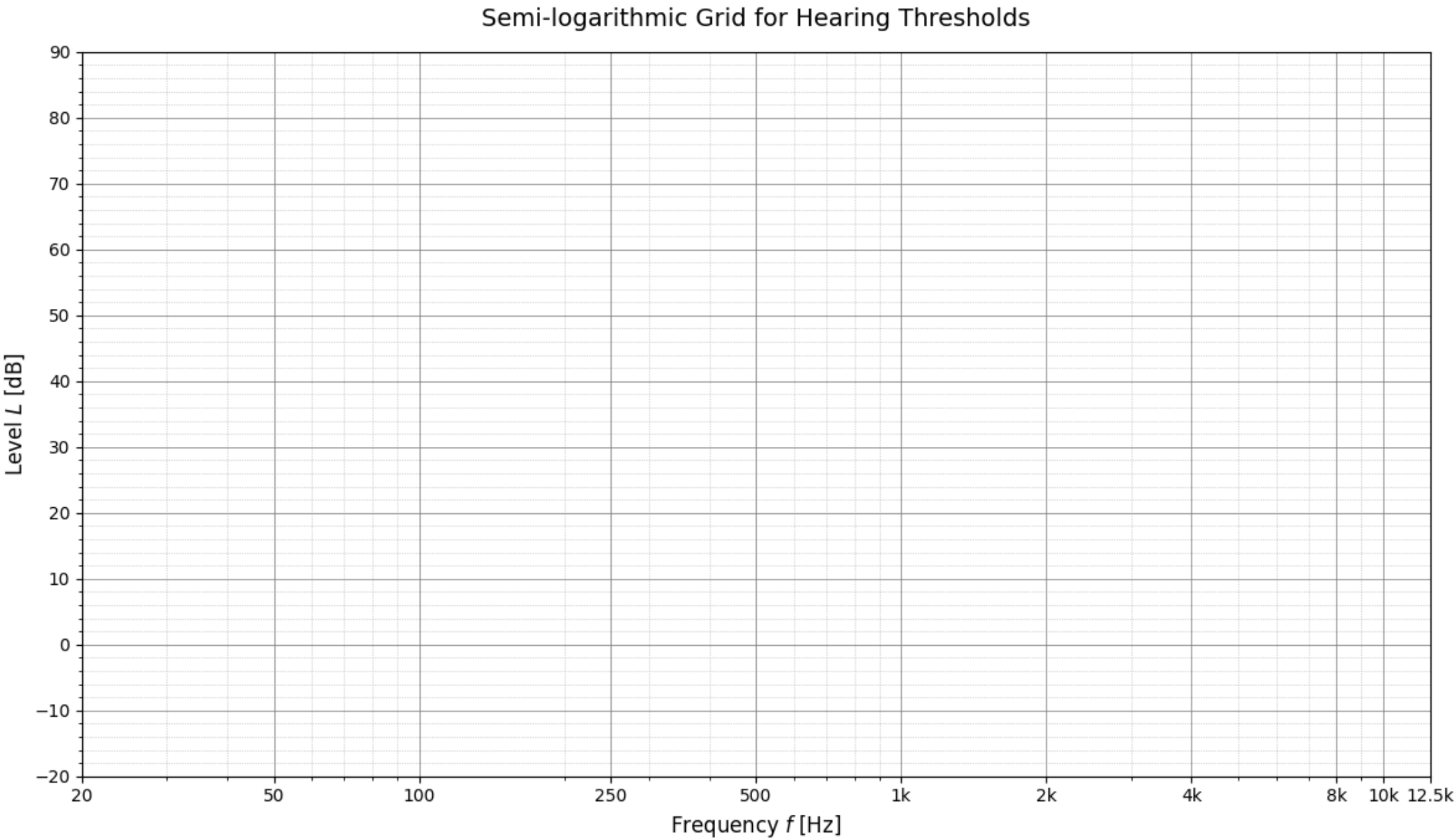
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Semi-logarithmic Grid for Hearing Thresholds
Level L [dB]
90
80
70
60
50
40
30
20
10
0
−10
−20
20
50
100
250
500
1k
2k
4k
8k
10k
12.5k
Frequency f [Hz]