

Sampling rate – 250 Hz

Experiment design:

- Background 1: 60-s background EEG activity recording when the subject was in a relaxed state with open eyes.
- Necker cubes: the cubes with 0.6/0.4 edges intensities with white background with different brightness values I were demonstrated during 60-s time intervals. 10 different values of I from 0.1 to 1.0 with a step of 0.1. The values of $I = 0$ and $I = 1$ correspond, respectively, to 0% and 100% of natural pixels' luminance of the picture.
- Mona Liza portraits: the color images with different brightness values I were demonstrated during 60-s time intervals. 10 different values of I from 0.1 to 1.0 with a step of 0.1. The values of $I = 0$ and $I = 1$ correspond, respectively, to 0% and 100% of natural pixels' luminance of the picture.
- Background 2: 60-s background EEG activity recording when the subject was in a relaxed state with closed eyes.

Channels:

1. O2	12. T5	23. FC3
2. O1	13. T4	24. Fcz
3. P4	14. T3	25. FC4
4. P3	15. F8	26. FT8
5. C4	16. F7	27. TP7
6. C3	17. Oz	28. CP3
7. F4	18. Pz	29. Cpz
8. F3	19. Cz	30. CP4
9. Fp2	20. Fz	31. TP8
10. Fp1	21. Fpz	
11. T6	22. FT7	