Modelling Grand Averaging in EEG Signals for Individuals with BCI control



MATLAB \rightarrow signal processing, simulate inputs and calculate outputs SEREEGA / EEGLAB \rightarrow simulate input EEG signals [1]

Transformation Methods Allow Brain Signals to be Read More Accurately to Improve Brain-Computer Communication

Holland Bloorview Kids Rehabilitation Hospital









Comparison of Transformations



Reference: [1]L. Krol, J. Pawlitzki, F. Lotte, K. Gramann and T. Zander, "SEREEGA: Simulating event-related EEG activity", Journal of Neuroscience Methods, vol. 309, pp. 13-24, 2018. Available: 10.1016/j.jneumeth.2018.08.001 [Accessed 16 July 2020].