

Numerical resolution of the inverse source problem for EEG

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In the talk, I will present a numerical method for solving the EEG inverse source problem which is able to take into account the heterogeneity of the head tissues. One of the applications is to consider fontanels in the skull layer for neonates. The approach consists in firstly transmitting the recorded data from the scalp to the cortex using the quasi-reversibility method. The second stage solves the inverse source problem within the brain by applying the method developed in the software tool FindSources3D.

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