

Resource Summary Report

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NFT

RRID:SCR_002450

Type: Tool

Proper Citation

NFT (RRID:SCR_002450)

Resource Information

URL: <http://sccn.ucsd.edu/wiki/NFT>

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Description: A MATLAB Toolbox for generating realistic head models from available data (MRI and/or electrode locations), for computing numerical solutions for the forward problem of electromagnetic source imaging and for single dipole source localization. The NFT includes tools for segmenting scalp, skull, cerebrospinal fluid (CSF) and brain tissues from T1-weighted magnetic resonance (MR) images. The Boundary Element Method (BEM) and Finite Element Method (FEM) are used for the numerical solution of the forward problem. When a subject MR image is not available a template head model can be warped to measured electrode locations to obtain an individualized head model. Toolbox functions may be called either from a graphic user interface compatible with EEGLAB or from the MATLAB command line.

Abbreviations: NFT

Synonyms: NFT: Neuroelectromag Forward Modeling, Neuroelectromagnetic Forward Modeling Toolbox, Neuroelectromagnetic Forward Head Modeling Toolbox

Resource Type: segmentation software, data processing software, software resource, software application, image analysis software, software toolkit

Defining Citation: [PMID:20457183](#)

Keywords: eeg, meg, electrocorticography, eeg modeling, forward - inverse, modeling, matlab, mri, electrode

Availability: Free, Available for download, Freely available

Resource Name: NFT

Resource ID: SCR_002450

Alternate IDs: nlx_155823

Alternate URLs: <http://www.nitrc.org/projects/nft>

License: GNU General Public License

Record Creation Time: 20220129T080213+0000

Record Last Update: 20260805T044038+0000

Ratings and Alerts

No rating or validation information has been found for NFT.

No alerts have been found for NFT.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Delorme A, et al. (2011) EEGLAB, SIFT, NFT, BCILAB, and ERICA: new tools for advanced EEG processing. Computational intelligence and neuroscience, 2011, 130714.