Back-projection type algorithm for Diffuse Optical Tomography: Open-Source Matlab Codes. MATLAB CODES: ([requires NIRFAST](http://www.dartmouth.edu/~nir/nirfast/))\*

**Matlab implementation of Backprojection-type reconstruction algorithm (proposed): reconstruct\_stnd\_cw\_backproj.m (requires: objective function file: opt\_mu\_objfun.m)**

**Matlab implementation of Landweber Iterative Algorithm: reconstruct\_cw\_max\_eig.m**

**Matlab implementation of Standard reconstruction algorithm: reconstruct\_stnd\_cw.m**

Additional Information (includes reconstruction results of multiple target, breast imaging domain, and 3D experimental domain): additional\_info.pdf

This Matlab code is used as part of the work presented in:

Jaya Prakash and Phaneendra K. Yalavarthy, “A Simplex Method Based Automated Choice of Optimal Filter Factor for Back-Projection Type Diffuse Optical Tomographic Image Reconstruction,"

Journal of Optical Society of America A, 2013 (Submitted).

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* The code does not come with any guarantees and can be freely used for any purpose.