**Open\_NanoScope.m**

Modified version of:

Jaco de Groot (2023). Open Nanoscope 6 AFM images (https://www.mathworks.com/matlabcentral/fileexchange/11515-open-nanoscope-6-afm-images), MATLAB Central File Exchange. Retrieved June 30, 2023.

This work by EPFL STI IBI LBNI is licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 Unported License.

**track\_particles.m**

Modified version of:

Jean-Yves Tinevez (2023). simpletracker (https://github.com/tinevez/simpletracker), GitHub. Retrieved June 30, 2023.

BSD 3-Clause License, Copyright (c) 2019, Jean-Yves Tinevez, All rights reserved.

**open\_gwychannel.m**

Modified version of: [readgwychannel](https://viewer.mathworks.com/?viewer=plain_code&url=https%3A%2F%2Fuk.mathworks.com%2Fmatlabcentral%2Fmlc-downloads%2Fdownloads%2Fsubmissions%2F32893%2Fversions%2F1%2Fcontents%2Freadgwychannel.m&embed=web).m

Copyright © 2011, Lennart Fricke

E-Mail: [lennart.fricke@kabelmail.de](mailto:lennart.fricke@kabelmail.de)

This program is free software: you can redistribute it and/or modify it under the terms of the BSD 2-Clause License.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the BSD 2-Clause License for more details.

Eike Lennart Fricke (2023). Gwyddion File Importer (https://www.mathworks.com/matlabcentral/fileexchange/32893-gwyddion-file-importer), MATLAB Central File Exchange. Retrieved October 31, 2023.

**open\_IBW.m**

Modified version of: [IBWread](https://viewer.mathworks.com/?viewer=plain_code&url=https%3A%2F%2Fuk.mathworks.com%2Fmatlabcentral%2Fmlc-downloads%2Fdownloads%2Fsubmissions%2F32893%2Fversions%2F1%2Fcontents%2Freadgwychannel.m&embed=web).m

Jakub Bialek (2023). Igor Pro file format (ibw) to matlab variable (https://www.mathworks.com/matlabcentral/fileexchange/42679-igor-pro-file-format-ibw-to-matlab-variable), MATLAB Central File Exchange. Retrieved October 31, 2023.

**open\_JPK\_info.m & open\_JPK\_image.m**

Modified version of: [open\_JPK](https://viewer.mathworks.com/?viewer=plain_code&url=https%3A%2F%2Fuk.mathworks.com%2Fmatlabcentral%2Fmlc-downloads%2Fdownloads%2Fsubmissions%2F32893%2Fversions%2F1%2Fcontents%2Freadgwychannel.m&embed=web).m

Ortuso, Roberto D., Kaori Sugihara.

"Detailed Study on the Failure of the Wedge Calibration Method at Nanonewton Setpoints for Friction Force Microscopy." The Journal of Physical Chemistry C 122.21 (2018): 11464-11474.

Author: Dr. Ortuso, R.D.

Adolph Merkle Institute, Fribourg, CH.

Contact: [roberto.ortuso@unifr.ch](mailto:roberto.ortuso@unifr.ch)

<https://uk.mathworks.com/matlabcentral/fileexchange/68760-open_jpk?s_tid=srchtitle>

**level\_weighted.m**

Code and method are adapted using the FindSteps.m and PolyfitLineMasked.m scripts from SPIW (<https://sourceforge.net/projects/spiw/>) combined with NanoLocz levelling methods

Copyright (C) Richard Woolley & Julian Stirling

SPIW is free software: you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

**measureFRC\_smap.m**

Modified version of code available in SMAP: https://github.com/jries/SMAP

COPYRIGHT: Jonas Ries, 2020 LICENSE: GPLv3 AUTHOR: Jonas Ries, EMBL Heidelberg, ries@embl.de 27.03.2020

www.rieslab.de, [www.github.com/jries/SMAP](http://www.github.com/jries/SMAP)

Ries, J. SMAP: a modular super-resolution microscopy analysis platform for SMLM data. Nat Methods (2020). https://doi.org/10.1038/s41592-020-0938-1

Based on Nieuwenhuizen, Lidke, Bates, Puig, Grunwald, Stallinga, and Rieger, Measuring image resolution in optical nanoscopy., Nat Methods, 10 (2013).

**sharpen.m**

Copyright (c) 2012,2018 Thomas C. O'Haver <https://terpconnect.umd.edu/~toh/spectrum/functions.html>

Permission is hereby granted, free of charge, to any person obtaining a copy of this software and associated documentation files (the "Software"), to deal in the Software without restriction, including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so, subject to the following conditions:

The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

**DnD\_uifigure.m**

Xiangrui Li (2025). uiFileDnD (https://github.com/xiangruili/uiFileDnD), GitHub. Retrieved May 19, 2025.