

NonRigid4Reso Toolbox

Installation manual

1 Prerequisites

The following components are required to successfully run the NonRigid4Reso toolbox.

1.1 Required/optional MATLAB toolboxes

- Image Processing Toolbox (required)
- Statistics and Machine Learning Toolbox (optional)
- Parallel Computing Toolbox (optional)

Although the Parallel Computing Toolbox is optional, it is recommended because it provides a huge speedup.

The minimum required MATLAB version is R2013b if the Parallel Toolbox is used, and R2008a otherwise because the new object-oriented syntax (introduced in version R2008a) is used in the code.

1.2 Required other software

The open source image registration toolbox elastix must be installed on your system before running image registration with the NonRigid4Reso toolbox GUI. You can download the elastix binaries and manual from [here](#). Installation instructions can be found in the elastix [manual](#) in section 3.2.1.

1.3. Relation to other software

If the MES software from Femtonics Ltd. is installed on your computer, at least version 5.3311 is required.

2 Installation

To install the NonRigid4Reso toolbox, just open the toolbox file (NonRigid4Reso.mltbx) with the Open menu point of MATLAB. A popup window will appear. Click on Install to perform the installation.

For detailed information, see the section on managing toolboxes in the MATLAB documentation.

3 Usage

After you installed the NonRigid4Reso toolbox, it can be started by typing nrmc in the MATLAB command prompt. Further information about the usage of the toolbox can be read in the documentation, which can be reached by clicking the Help button on the GUI, or from MATLAB -> Help -> Documentation -> Supplemental Software.