

PyLorentz GUI Manual

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The GUI

Home



The home tab of the GUI. For performing any of the image registration routines, it is required that you set the path to your local installation of [Fiji](#).

Setting Fiji

If you want to be able to perform any image registration procedures, the first thing you need to do is confirm a path to a local Fiji installation.

- Locate and select your Fiji installation using the 'Browse' button. Navigate to where Fiji is located and confirm your selection.
- Once you have confirmed a selection, the input field will populate with the Fiji path.
- When the path is filled, click the 'Set Fiji' button. Once Fiji is set, you will be able to access the 'Registration' tab. You cannot access the 'Registration' tab unless Fiji is set.
- Additionally, you can manually enter the Fiji path by hand.
- If for whatever reason you need to reset the Fiji path to a different path, just click the 'Reset Fiji' Button.

Setting Defaults

It is likely that you will use the same Fiji installation for each registration. This may be true for the working directory where your images are stored as well. The GUI allows you to select default options for both Fiji and the working directory where you will perform reconstructions and/or image alignments.

↓ Select Fiji Installation to access 'Registration' tab. ↓

1

Browse

/Applications/Fiji.app

Set Fiji

Reset Fiji

Set as Default

Reset Default

You can set the default browser working directory below.

2

Browse

amples/cphatak_pytie_example_v1.1

Set as Default

Reset Default

1. Fiji

- To the right of setting the Fiji path, there is an option to 'Set as Default' **(1)**. When a correct Fiji installation is selected, clicking this will save it in a 'defaults.txt' file. On subsequent uses of the GUI, this Fiji installation will already be populated in the Fiji input field.
- To clear the default Fiji, just select 'Reset Default' **(1)**. The path will no longer be stored in the 'defaults.txt' file.

2. Working Directory

- Beneath setting Fiji, you can 'Browse' for the current working directory.
- Select the working directory and click 'Set as Default' **(2)** to set the working directory as the default. On future instances of the GUI, the default working directory input field will be filled as well as the working directory input fields for the 'Registration' and 'Reconstruction' tabs.
- To reset the working directory default, select 'Reset Default' **(2)**. The path will no longer be stored in the 'defaults.txt' file.

Registration

Reconstruction