MultisourceImageMatcher_OFMG1StF Executable
MultisourceImageMatcher_OFMH2StF Executable

1. Prerequisites for Deployment

Verify that version 9.10 (R2021a) of the MATLAB (or MATLAB Runtime) is installed.

If not, download and install the Windows version of the MATLAB (or MATLAB Runtime) for R2021a from the following link on the MathWorks website:

    https://www.mathworks.com/products/compiler/mcr/index.html

For more information about the MATLAB Runtime and the MATLAB Runtime installer, see "Distribute Applications" in the MATLAB Compiler documentation in the MathWorks Documentation Center.
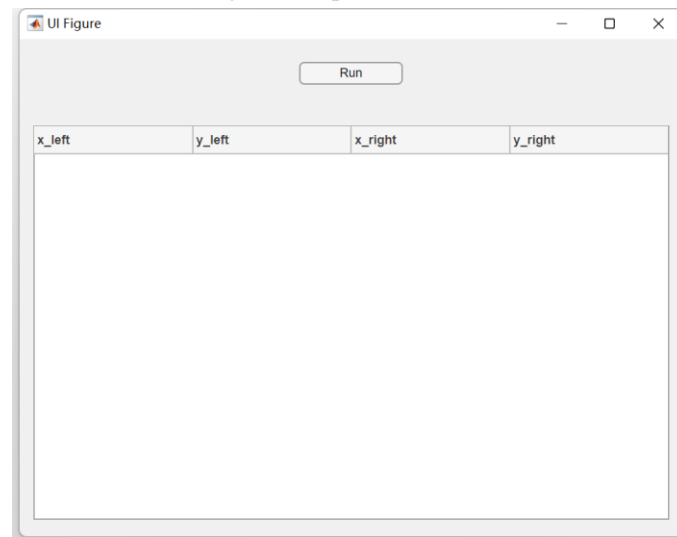
2. Usage of the implementation
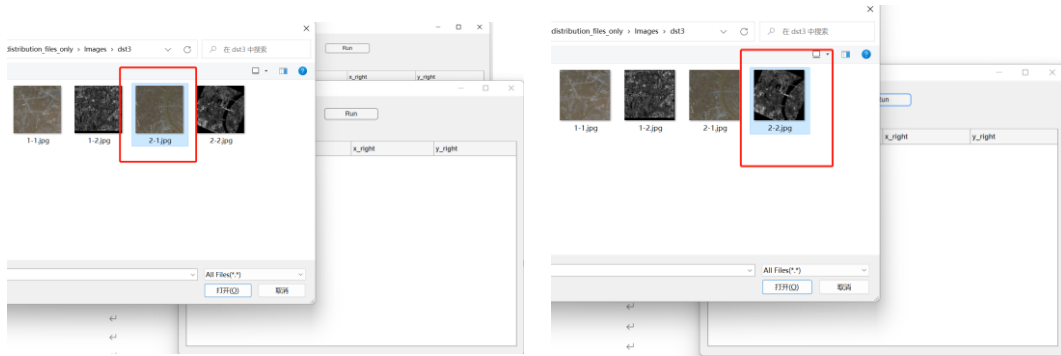
Two implementations of the OFM algorithm are provided.
MultisourceImageMatcher_OFMG1StF.exe and MultisourceImageMatcher_OFMH2StF.exe
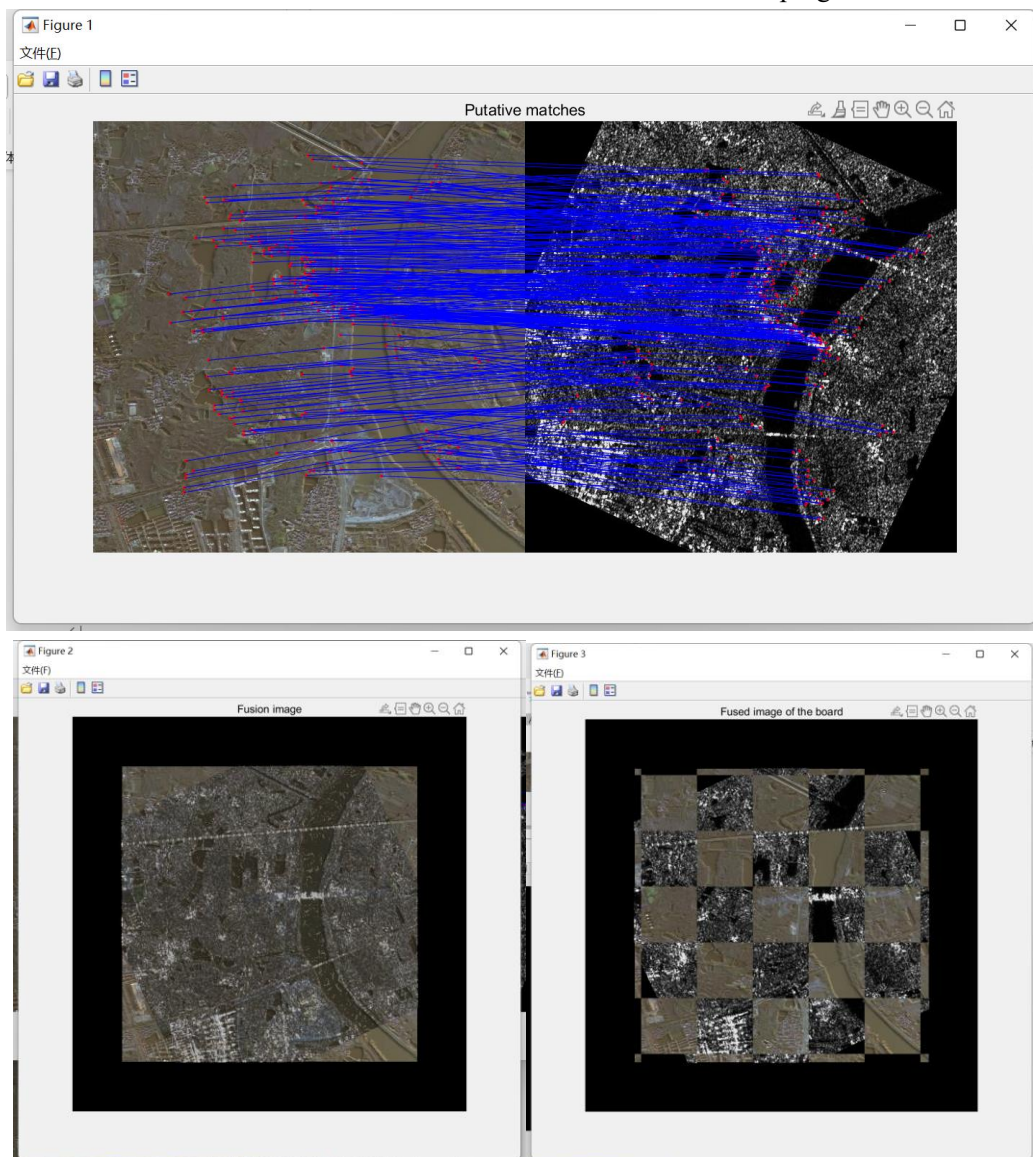Note that the scale invariance part is not included.

Double-click the .exe file to run the program. Then the following user interface will appear. Click the "Run" button to select the two images to be processed.
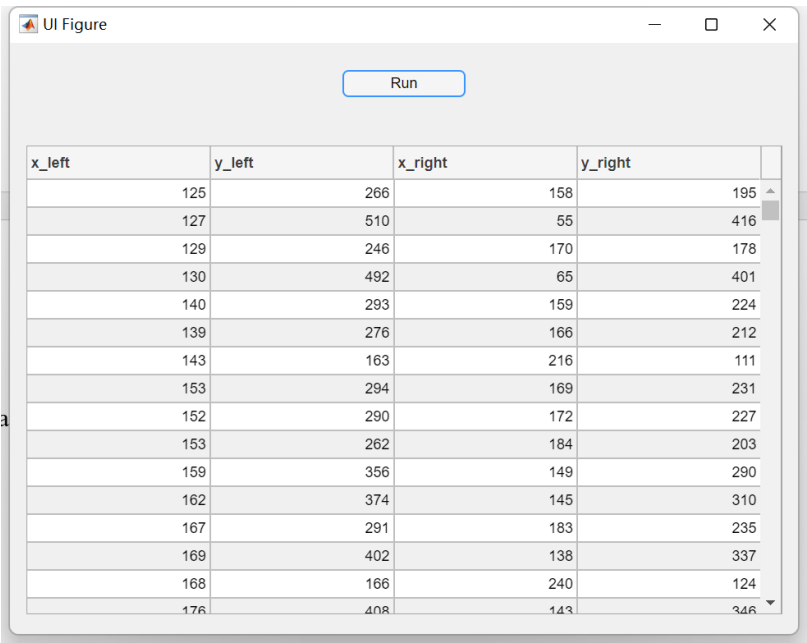


Typically, the first image is used as the reference image (left image) and the second image is used as the sensed image (right image).

Then wait for the results to appear. Usually, the first time you run the program is slower due to the need to hoist the MATLAB runtime. From the second time onwards the program will work faster.
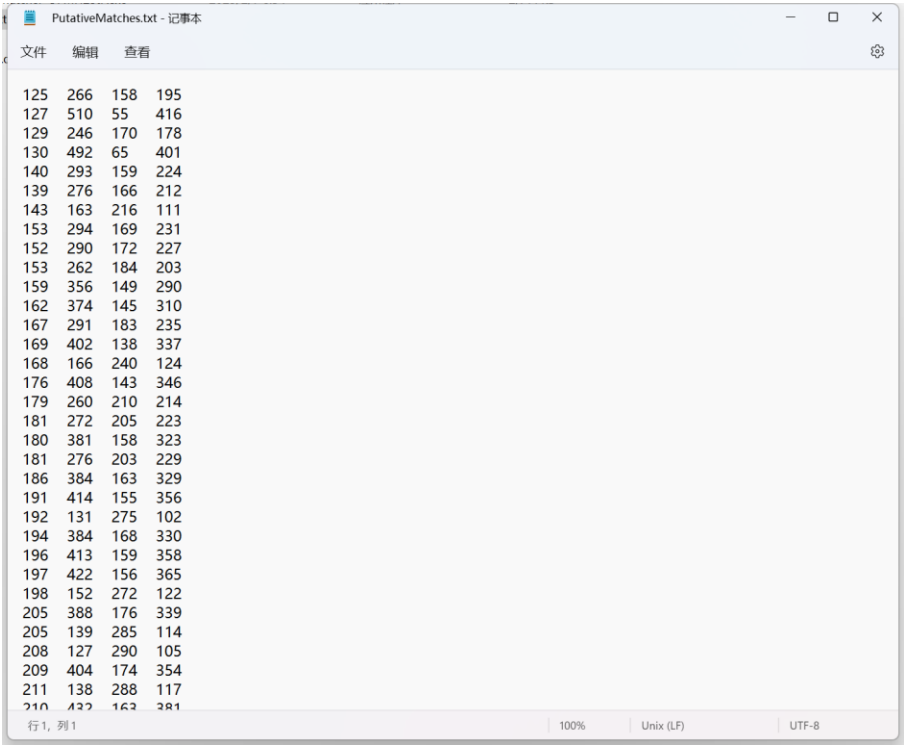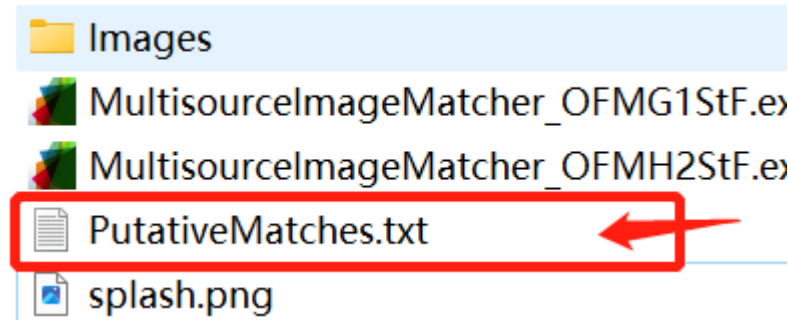
The coordinates of the matching point pairs will be displayed in the user interface.



The results will also be stored here: