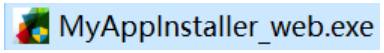
Multimodal Remote Sensing Image Matcher SSDM implementation (without rotation invariance, the full version and code will be uploaded after the paper has been accepted).

1. Prerequisites for its implementation

(1) version 9.10 (R2021a) of the MATLAB is installed.

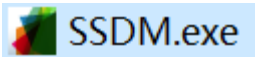
(2) or version 9.10 of the MATLAB Runtime is installed.

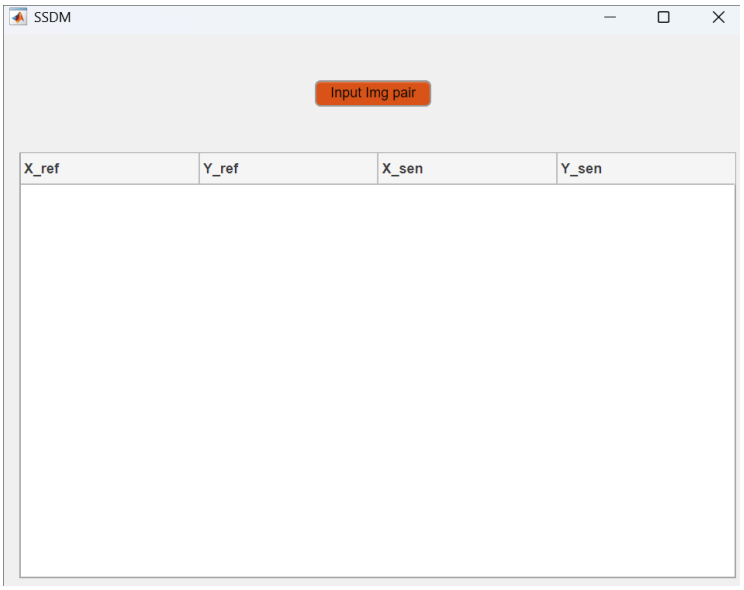
(3) or use the “MyAppInstaller_web.exe” we provide to install the runtime environment.



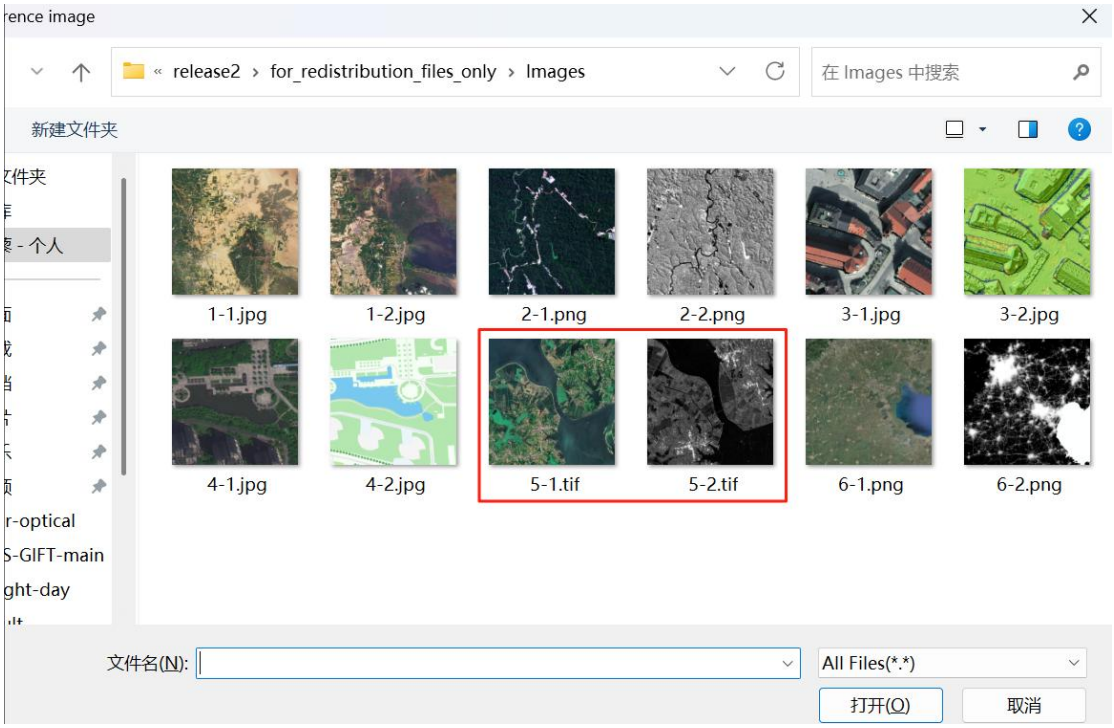
2. Usage of the implementation

(1) Double-click the SSDM.exe to run the program. Then the following user interface will appear.

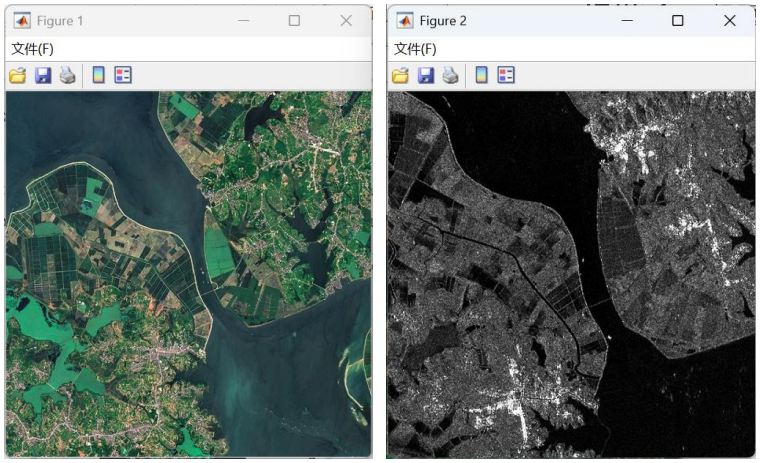


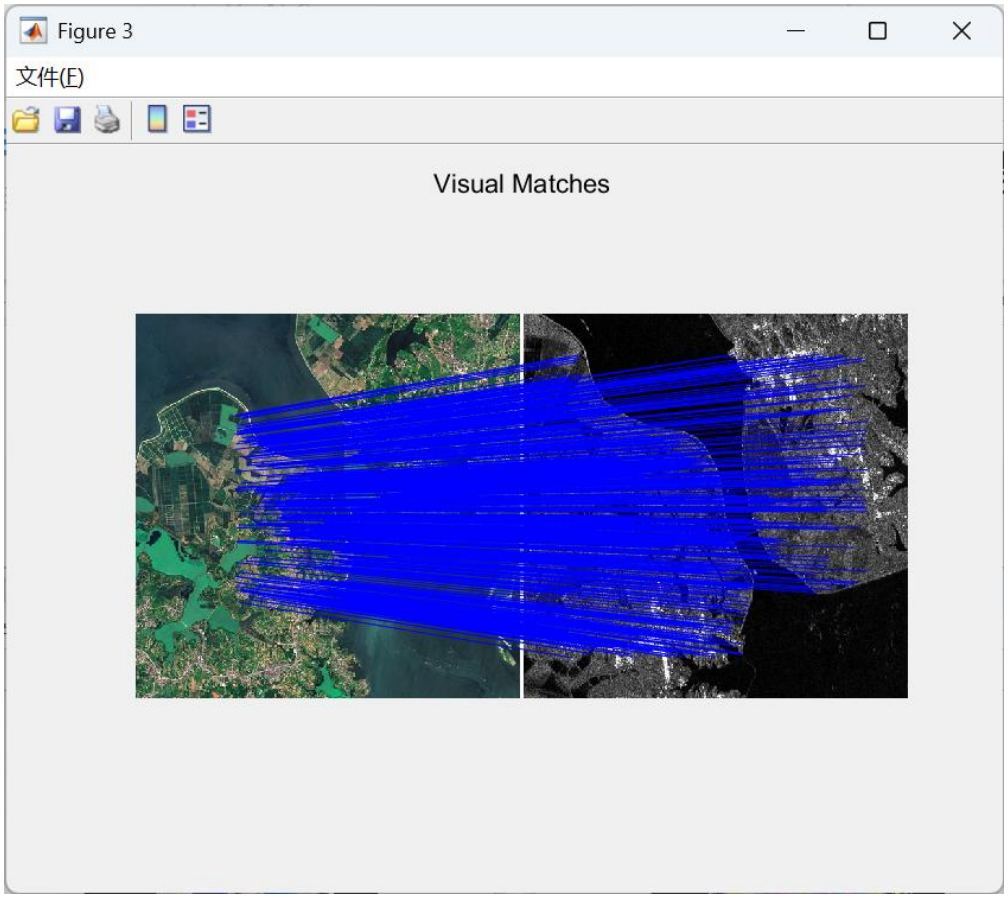


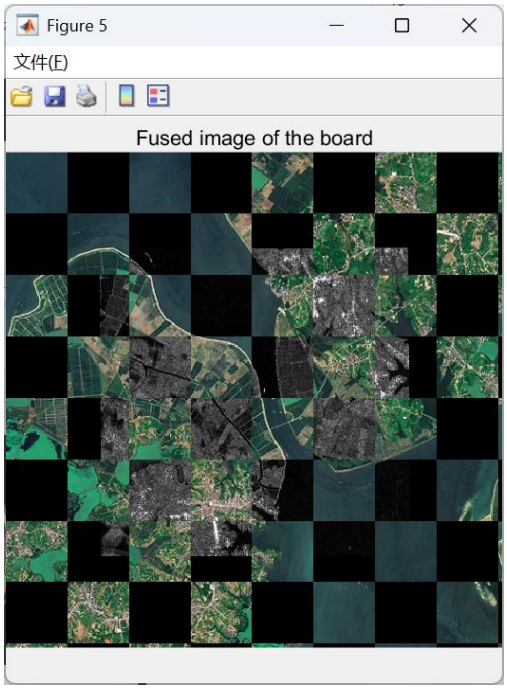
(2) We provide a button "Input Img pair", which will import any two images.

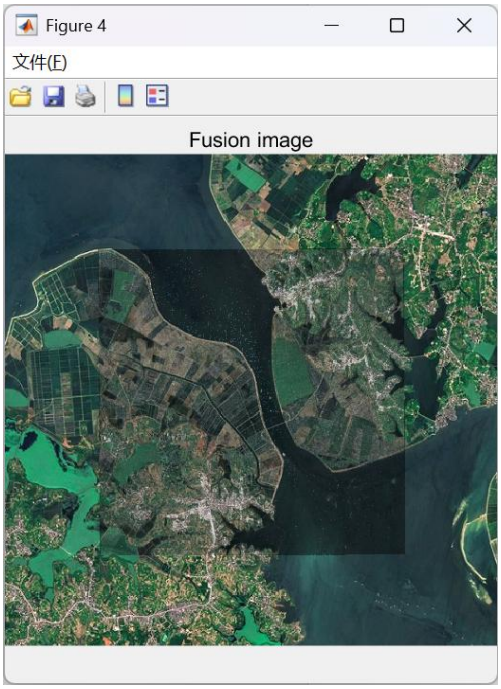


Then wait for the results to appear. Usually, the first time you run the program is slower due to the need to hoist the MATLAB runtime. From the second time onwards the program will work faster.

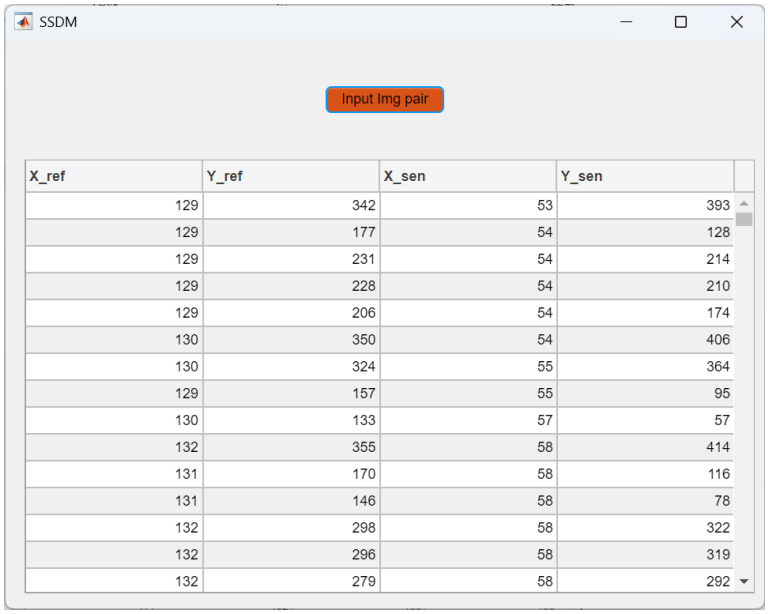








(3) The coordinates of the matching point pairs will be displayed in the user interface.



The coordinates will also be stored here: