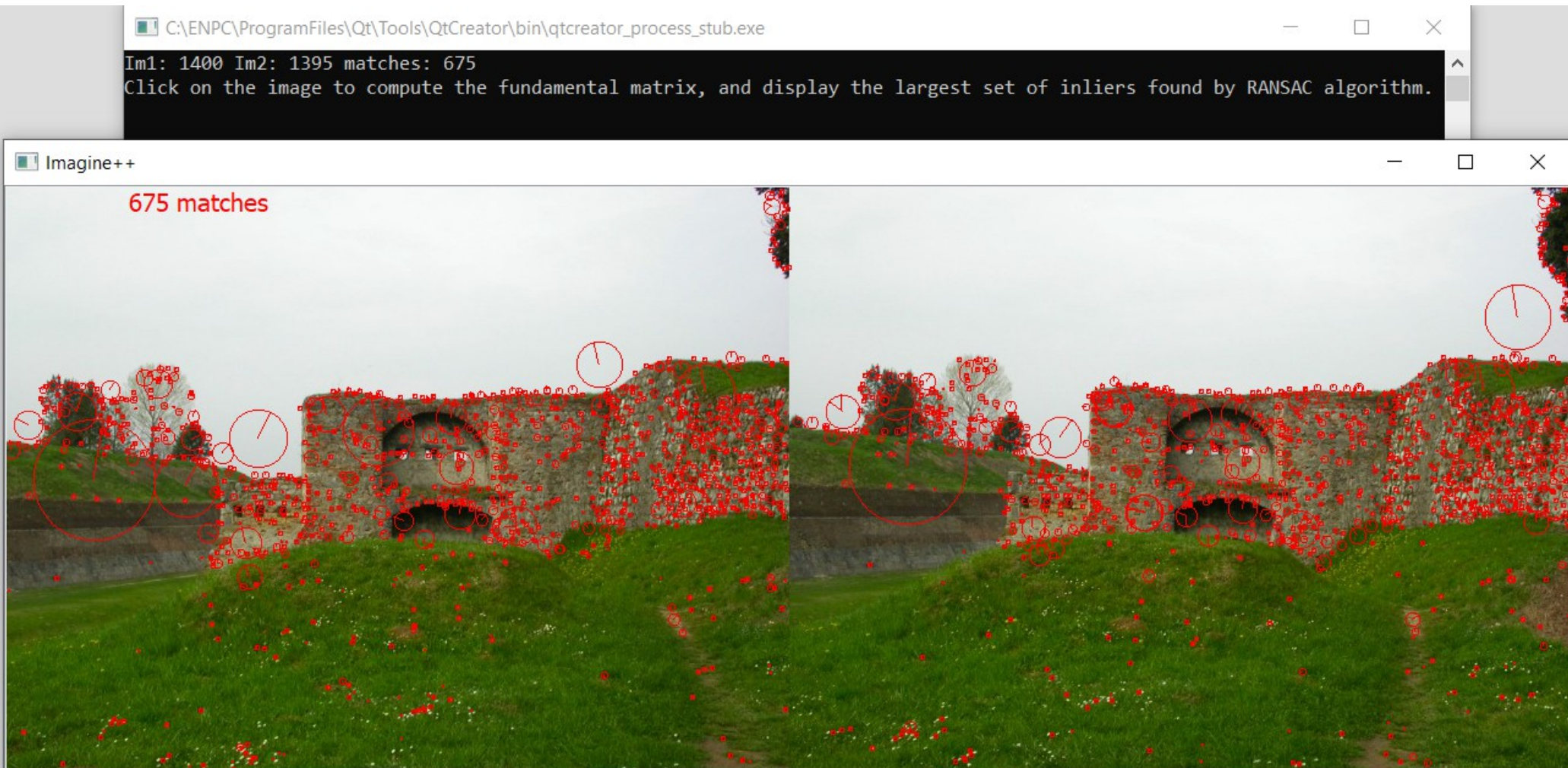


Fundamental Matrix



This program allows you to compute the fundamental matrix between two images and to display the epipolar line associated with each point of each image. For the computation of the matrix we use the RANSAC algorithm based on the 8-point algorithm.

- When the program is started, it will display matching points between the two images found by the SIFT detector.



- Click on the image for compute the fundamental matrix and display the largest set of matches found by the RANSAC algorithm during the computation of the fundamental matrix.

```
Fenêtré C:\ENPC\ProgramFiles\Qt\Tools\QtCreator\bin\qtcreator_process_stub.exe
document: Im1: 1400 Im2: 1395 matches: 675
Click on the image to compute the fundamental matrix, and display the largest set of inliers found by RANSAC algorithm.
557 inliers detected !
F=
1.12898e-08 -6.64433e-07 0.000127779
7.09154e-07 3.70724e-08 7.46416e-05
-0.000141665 -0.000110174 0.00465153
Click on the image to continue.
```



- Now if you click on the image, you will activate the « display mode of epipolar lines », that is, if you click on a point on a image, the associated epipolar line will be display on the other image. This line must pass through the matching point. The blue circles are the clicked points.

