

Computer vision course

Lab 6 - Image matching

Pietrobon Andrea

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1 | Task 1

The experience with this task has proved to be extremely advantageous as a first approach to pattern matching. After carefully selecting the method to use, I proceeded to determine the minimum distance between the points of the two images under control. Next, I narrowed down the range of points considered and verified that a minimum number of features fell within a pre-set threshold. Only in the presence of these conditions, I was able to confirm the effective correspondence between the two images. It should be emphasized that while the accuracy is not entirely perfect, it is remarkably close to 90%. To have a better understanding of the result obtained, I invite you to take a look at the images below which show the photos with the relative matches identified. The Figure 1.1, Figure 1.2 and Figure 1.3.



Figura 1.1 First image

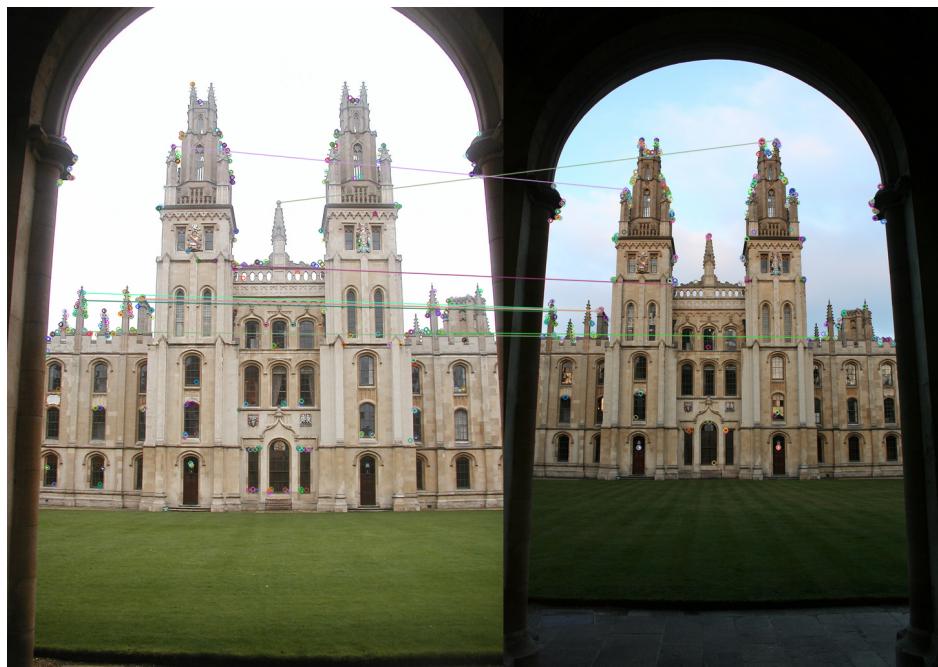


Figura 1.2 Second image

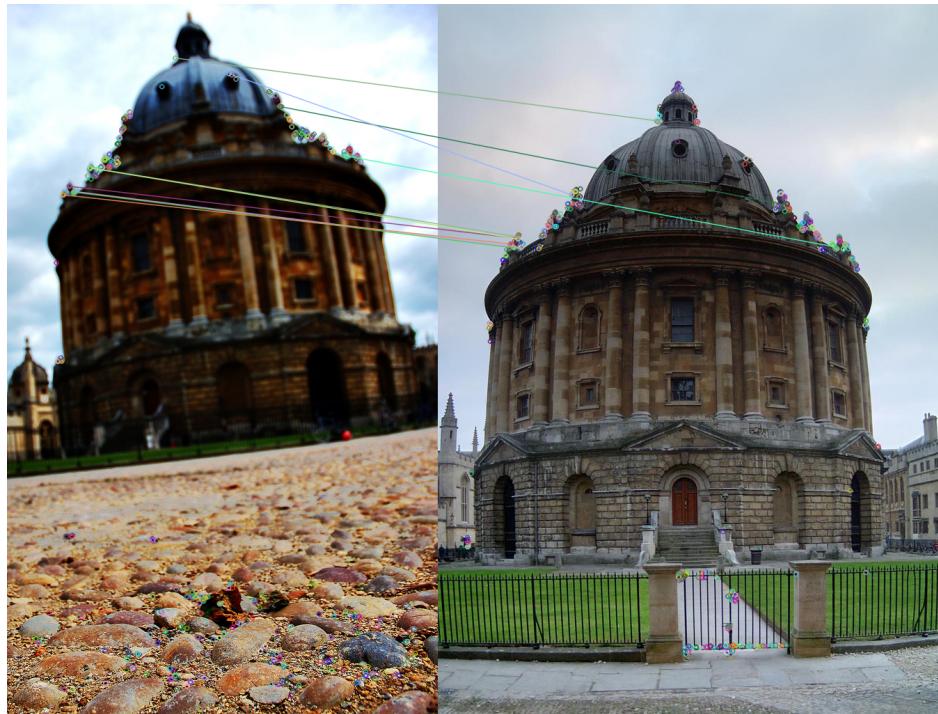


Figura 1.3 Third image