SORBONNE UNIVERSITÉ

VISION

Practical work 1 : Panorama

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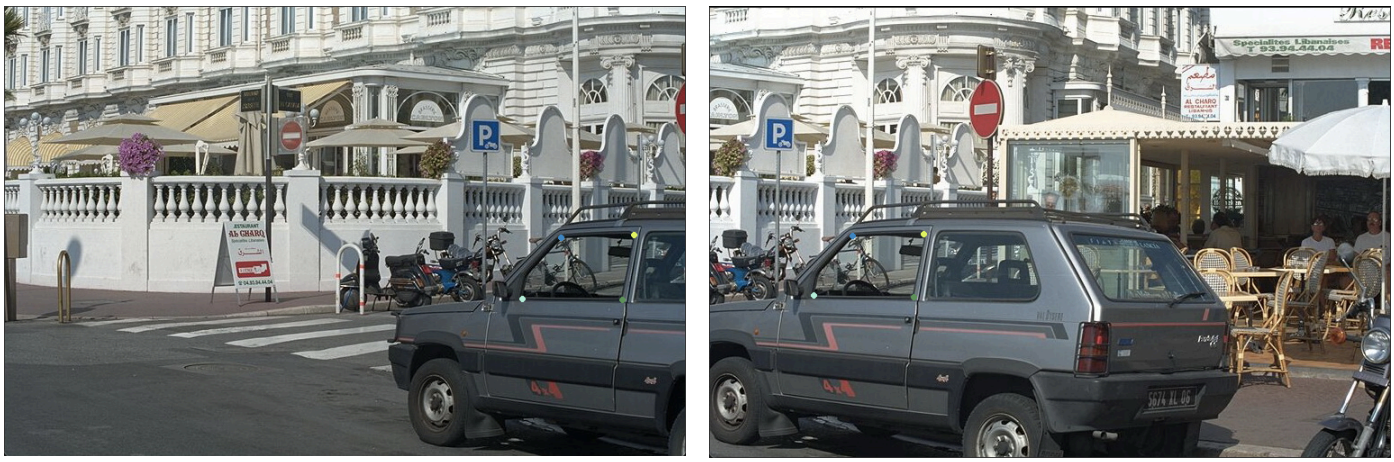
README

Because I'm working on a MacBook with only a trackpad, I did one thing different from the instructions: after the user has finished choosing the points, they would have to click on the **Enter key** (instead of a right click) for the program to compute the homography and show the panorama.

RESULTS

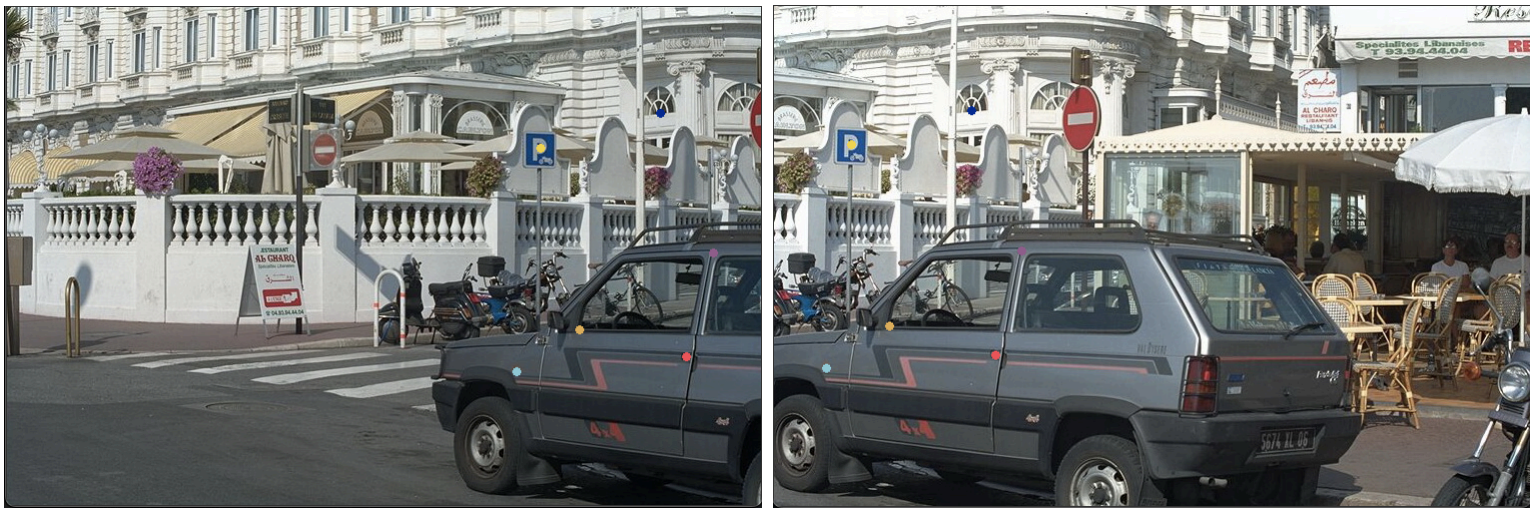
- Given 4 points:



2 original images, with 4 matching points selected

Result of the panorama

- Given 6 points:



2 original images, with 6 matching points selected

Result of the panorama

- Given 8 points:


2 original images, with 8 matching points selected

Result of the panorama

- Given 15 points:


2 original images, with 15 matching points selected

Result of the panorama

OBSERVATIONS

As expected, the more points selected, the more seamless the end result is.

The result also depends on the points chosen. It would be interesting to use an algorithm that choses the best points (the ones that give the best results) like SIFT.