LAB Work 1 - Panorama

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Vision

October 9, 2024

(a) First window.

(b) Second window.

(c) Panorama reconstruction result.

Figure 1: Panorama reconstruction using 5 matching points.

(a) First window.

(b) Second window.

(c) Panorama reconstruction result.

Figure 2: Panorama reconstruction using 3 matching points.

The results above show the necessity of selecting at least 4 precise matching points to achieve a good-quality panorama. Additionally, using a weighting function to reconstruct the overlapping parts of the image demonstrates excellent performance, as no noticeable difference in luminosity is visible between the overlapping area and the rest of the reconstructed image.

Let's have fun testing my panorama code on two images I took of my desk.