

UNIVERSITY OF BURGUNDY

Software Engineering Project Weekly Report

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1 Task completed

On the acquired images, we have implemented the SIFT feature matching technique as shown in Figure 1. We have tried different ways in order to get good feature matching such as robust feature matching (Figure 2) and on background removed image (Figure 3).

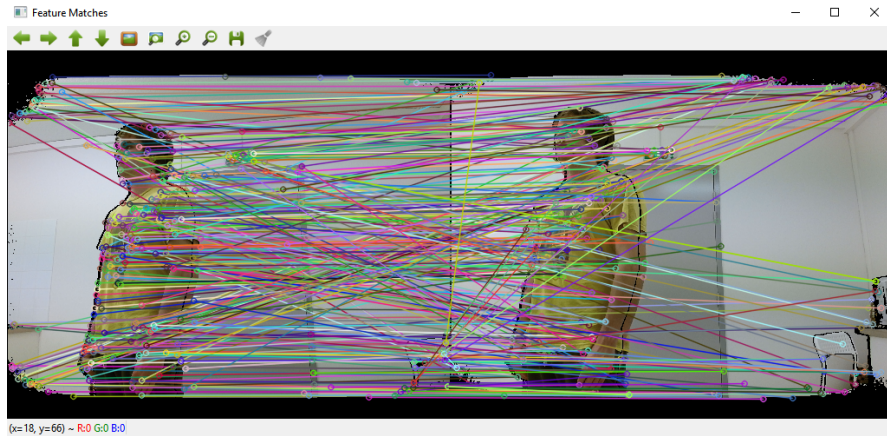


Figure 1: Feature matching using SIFT on two frames.

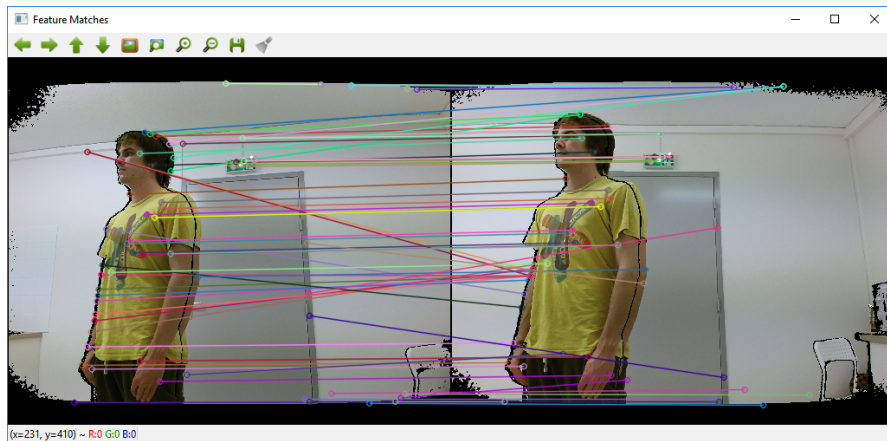


Figure 2: Robust feature matching using SIFT on two frames.

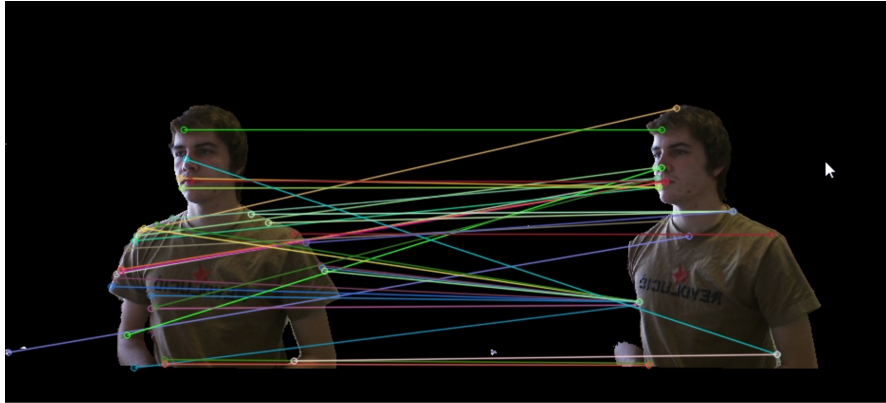


Figure 3: Feature matching using SIFT on background removed image.

2 Work in progress

Now the next task would be to extract the 3D points from matched frames and try to obtain the transformation system using SVD (Singular Value Decomposition) algorithm.