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08.01.2020

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Computer Vision

Exercise 3 Epipolar Lines

For an exemplary UAV image block the parameters of interior and exterior orientation as well as coordinates of signalized points are available in

Use the camera parameters for image R0020774.jpg and R0020775.jpg to compute the Fundamental matrix representing the relative orientation of that image pair. Apply the computed Fundamental matrix to interactively draw epipolar lines for given points in the stereo image pair.

To be delivered is MATLAB-code as well as documentation of the different processing steps including formulas as pdf-Document.

Assignment due to 29.1.2020