

Topics 2- Algorithms and processes in digital image analysis

Reliable matching with close range images

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In these days, matching is an important problem that has a lot of applications such as reconstruction of 3D models, DTM production, depth determination, ... and is used in robot vision, mining, photogrammetry, etc. matching in traditional form has been worked for many years but for several important reasons make us to automated it and several methods has been used to achieve it. Area based and transformed based methods have been used to match close range images. Some constraint and diagnosis tests have been determined to make the results reliable. Each stereo image has been processed with each of those methods. For making the results reliable, some constraints and diagnosis tests have been determined. The final results are available in disparity images.