

Shape from stereo

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Problem statement

- Use two images taken from two camera to extract depth information
- Take more than two images and use them to extract depth information. Reflect on the reduction of noise by using more than two camera.

Results

Input image



Fig. 1.1 Input image 1



Fig. 1.2 Input image 2



Fig. 1.3 Input image 3

Ground truth

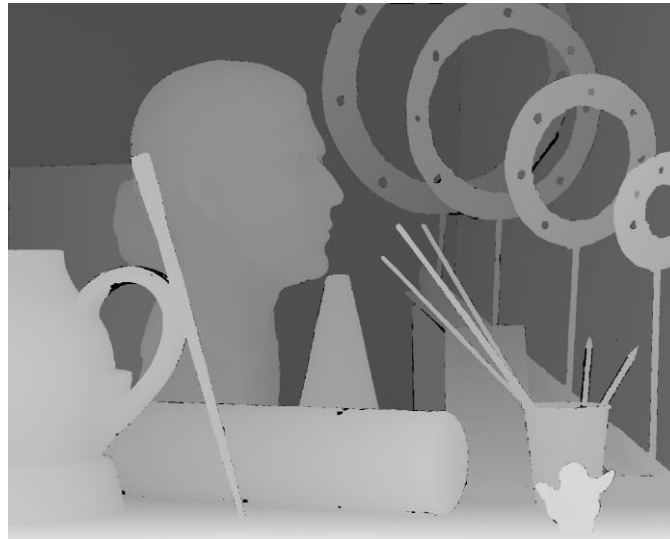


Fig 1.4 Ground truth (for comparison)

Stereo output

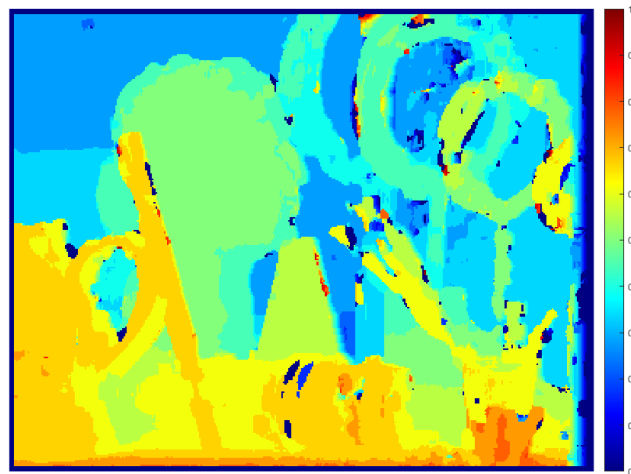


Fig. 1.5 Stereo image from first two images (Fig. 1.1 and Fig. 1.2)

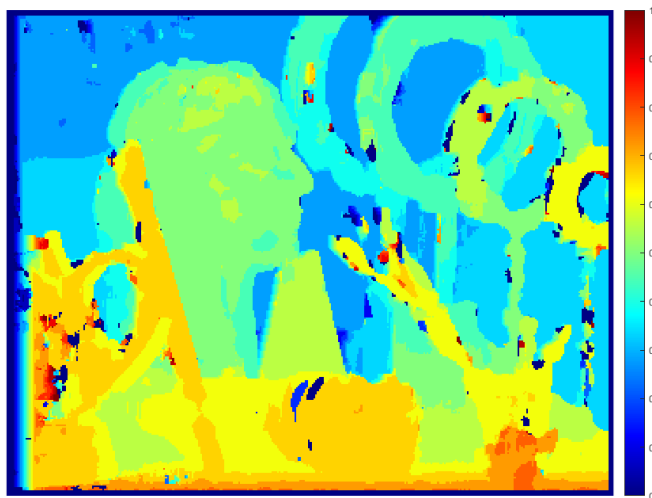


Fig. 1.6 Stereo image from last two input images (Fig. 1.2 and Fig. 1.3)

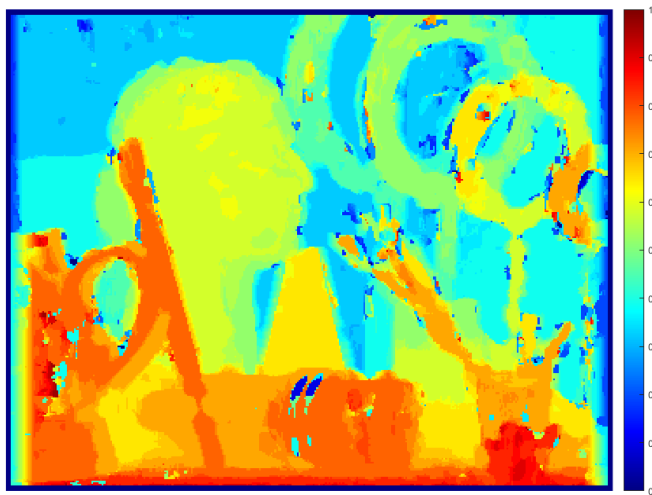


Fig. 1.7 Stereo image from all three input images (Fig. 1.1, Fig. 1.2 and Fig. 1.3) using average