Sample Camera-Ready Manuscript Prepared as Example for the Authors of Ascona Workshop 1997

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Abstract

This paper is a sample paper, put together just for demonstrating our publisher's instructions for the preparation of the camera-ready manuscripts. Incidentally, it contains fragmental parts of the description of the test dataset we are distributing. For example, the main features of this dataset include provision of full photogrammetric information, four-way image overlap and ground truth. Please do not forget of course that for accurate information about the test dataset you have to refer to our corresponding WWW page at http://www.geod.ethz.ch/p02/events/ascona/ascona.html or contact us at ascona@geod.ethz.ch.

1 Outline of the Dataset Contents

1.1 High Resolution, Large Scale Aerial Images

Characteristics. The RGB images are scanned with a geometrically precise photogrammetric scanner with 15 microns pixel size, and their scale is 1:5000. Four images, forming a 2 x 2 block, with 60% forward and sidewards overlap are used.
Additional Information. To reduce the amount of data, only two image subsets of 1800 x 1800 pixels each (depicting an industrial and a residential area imaged in all 4 aerial images) are distributed. Grey level images can be derived from RGB images by making an RGB to HSV transform and using the V channel as a grey level image.

1.2 Orthophotos

The residential and industrial areas in all 4 images were orthorectified by using the DTMs. The ground resolution is approximately equal to the one of the original images. The map coordinates of the orthophotos as well as the grid spacing are also given. These orthophoto images are not inlcuded in the data set in order to reduce its size, but they can be made available upon request.

2 Digital Surface Model (DSM)

This section applies only to the residential area. The difference to DTM is that DSM contains the visible surface including 3-D objects normally not contained in DTMs, e.g. buildings and trees. As an indication of how figures should be included and how their captions should look like please refer to the figure below (Fig. 1).

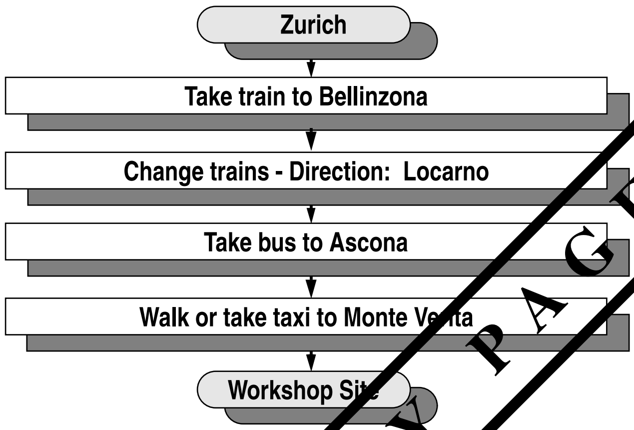

Fig. 1: Typical itinerary from Zurich to Centro Franscini

In addition, equations should be included in the running text as follows:

$$\hat{x} = (N + B^T P B)^{-1}(u - B^T P t) \tag{1}$$

Finally, examples of acknowledgements and sample references (for book and article) are also provided.

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References

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