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Titel des Beitrags: Extraction of façades with window information from oblique view airborne laser scanning point clouds
Abstract: Point clouds from multi-looking oblique view airborne laser scanning can provide information about building façades, not only for a single building but also for a larger urban area. This has the disadvantage of a reduced point density. To gain window information for building models from that data an approach has to be developed which can cope with a point cloud with low resolution (around 10 points/m²). In the procedure proposed here the point cloud is segmented to receive vertical planes. Then points behind these planes (here called: indoor points) are used to detect window positions. These positions are used as input information for the reconstruction of rectangular windows from holes in the façade plane points. A regulation of the window outlines of the same rows and columns is performed. The quality of the results is dependent on the regularity of the window arrangement.

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