

DIGITAL VIDEOMETRY: A GEOMETRICAL APPLICATION FOR ARCHITECTURE

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ABSTRACT

The use of digital CCD video cameras as survey device is a real "border line" application. The limits of accuracy and precision on normally wide aperture angles strongly reduces the chances of a proficient combination of frame acquisition speed and quality of geometric data. Architecture is a peculiar testing field, where geometrical plotting is not intended for topographic aims but for the analysis of architecture itself. The support of a given set of latent geometric volumes, allows the videometry to be correctly used for fast and reliable morphological analysis upon land-scale and urban-scale and architectural-scale targets.