

Invited lecture

METHODS FOR DOCUMENT IMAGE DE-WARPING

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The problem for design of methods and algorithms that can automatically extract data from digitized astrographic plates (Laskov 2013) incorporates a number of techniques that are usually met in the field of document image processing. One of the problems that arise is the task for automatic software rectification of scanned document pages that suffer from curvature distortion due to the physical folding of the paper that has been captured by a digital camera or a scanner.

In this paper we present some of the state of the art techniques for document image de-warping. Our goal is to examine the existing methods, and to investigate their possible application in the image processing and pattern recognition techniques used in astrographic plates automatic data extraction.

References

Laskov, L., Tsvetkov Milcho: 2013, "Data Extraction form Carte du Ciel Tripple Images", *Serdica J. Computing* **7(4)**, 317-332.