

STAR PHOTOMETRY ON DIGITIZED ASTRONEGATIVES

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This paper discusses the issues of characteristic curve restoration for astronegatives exposed in the wide range of expositions in U, B, V Johnson color bands using different telescopes. Photographic plates are digitized by Epson commercial scanners. Digitized images are processed in MIDAS/ROMAFOT software. Particular attention is paid to the reliability of extremely faint object photometry. The accuracy of characteristic curve restoration using photoelectric data is in the range 0.1-0.2^m.