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Abstracts

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**Determination of Atmospheric Extinction at Nikolaev
Astronomical
Observatory**

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A study of extinction during the night has been made using guide-telescope ($D=0.115\text{m}$, $F=2.0\text{m}$) of Zone Astrograph of Nikolaev Astronomical Observatory and CCTV-camera #WAT-902H % made by Watec. Selected stars of photometric WBVR system were used [1].

Processing of CCD observations was made with Starlink Software (<http://www.starlink.rl.ac.uk>) on the basis of aperture photometry.

As a result of the research on the basis of Tien Shan Observatory methodology [2] the coefficients of expansion for empirical extinction to components were determined. The results of the research should be considered as a preliminary evaluation of the extinction components.

[1] Kh. Khaliullin, A. V. Mironov, V.G. Moshkalyov, *Astrophysics and Space Science*, 111, p. 291-323, 1985.

[2] V.G. Moshkalyov, Kh. Khaliullin, *Soviet Astronomical Journal*, 62, p. 393, 1985.