

POLARIMETRIC METHODS IN ASTROPHYSICS

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The applications of the method of aperture polarimetry to various astrophysical problems are reviewed. The method allows obtaining statistically based results both on large-diameter telescopes with high temporal resolution, and on medium-diameter telescopes. The possibility of using the polarimetric and spectro-polarimetric method of measuring the flux of space objects using the existing equipment of Astronomical Observatory of the Odessa National University is discussed. The calculated error values of the degree of linear polarization depending on the brightness of the objects are given.