

THE INFLUENCE OF LIGHT POLARIZATION
ON THE WAY AND QUALITY OF ITS
SPECTRORADIOMETRIC PARAMETERS

Lucyna HEMKA
Maciej RAFAŁOWSKI

ABSTRACT *In this work Influence of light polarization on results of spectroradiometric measurements of light parameters is discussed. Test measurements are carried out, which have exerted variability of result of measurement in function of direction and degree of polarization (full or partial). Fact of partial polarization of light reflected from flat surface (on roads or lakes etc) often takes a stand in practice – in different degree. It can be realized in technical employment expediently. It can be meaning full e.g. at process of color identification in automated measuring equipment. In essential cases, especially in high claimed measuring accuracy requirements (e.g. in investigative employment) the individual i calibration of measuring device can be necessary. The influence of light polarization on the method and quality of its spectrofotometric parameters.*

Keywords: *polarized light, spectroradiometric measurements, measuring errors, colour identification*