MESOPIC CONTRAST SENSITIVITY
AS AN ADDITIONAL PARAMETER
FOR EVALUATION OF VISUAL FATIGUE
CAUSED BY DISCOMFORT GLARE EXPOSURE

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ABSTRACT
The article presents method and results of mesopic contrast sensitivity measurements after exposure to discomfort glare subjects of different age. Mesopic contrast sensitivity in conditions of glare and no glare are standard parameters which are measured during psychomotoric examinations of professional drivers. These parameters have not been taken into account yet neither for glare evaluation nor for checking if the exposure to glare influence these parameters. The series of experiments were carried out under two different discomfort glare conditions on 65 subjects. The results of study showed that mesopic contrast sensitivity in conditions of glare and no glare could be additional objective parameters of visual fatigue caused by discomfort glare, especially for subjects of age above 50 years old.