

New Method for Examination of Colour Discrimination Using Anomaloscopes

Zsuzsanna Veres, Zoltán Németh, Ádám Veres, Klára Wenzel Dr, Krisztián Samu Dr.
Budapest University of Technology and Economics
Department of Mechatronics, Optics and Engineering Informatics

Abstract

The aim of our research was to investigate possibility of a new -different from the original principle of operation- application of the widely used color vision test instrument called anomaloscope, in order to apply the instrument in measurements for determining the color discrimination ability of patients. We surveyed the possibilities of the instrument to measure color discrimination, and these were compared with the characteristics of similar measurements. A measurement method has been developed, which can be used to investigate the ability of color discrimination. We made measurements on patients with normal color vision then the results have been compared with expectations imposed by the literatures.