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Optical systems of 3D augmented reality p.3

Abstract:

Some key features of the architecture of 3D augmented reality optical systems, as well as their design, are considered. A classification of the main types of optical systems for 3D augmented reality that have practical value is proposed, and the differences between augmented reality systems from other types are considered. Some data on the systems implemented in practice created by the author of this article are presented. The advantages and disadvantages of the main architectures of optical systems are considered. Practical recommendations are given for solving the problems of creating augmented reality systems.

Keywords: Invention, inventive problem, lens, aberrations, optical system, augmented reality, stereo effect, biomedical system, LED, laser, optimization, bandwidth.

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