HISTORY OF AUGMENTED REALITY AND FURTHER TRENDS OF ITS USE IN CARTOGRAPHY

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The article is devoted to the application of augmented reality (Augment Reality, AR) technologies in cartography. A review of the main stages of the formation of technologies and significant achievements in various spheres of human activity is carried out. An overview of the manufacturers of devices and technologies holding leading positions in the augmented reality market is made. Two main directions of AR application in cartography are highlighted: expansion of analog maps and improvement of navigation applications. A comparative analysis of navigation cartographic applications with augmented reality from the point of view of their functionality is given. A scheme of the use of AR technology in cartography is given, in which marker-based, markerless and spatial variants of augmented reality technology are considered. The conclusion about the need for wider introduction of augmented reality technologies into thematic cartography is made.

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