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CURRENT ISSUES OF VIRTUAL REALITY IN VARIOUS SPHERES OF HUMAN ACTIVITY

Virtual reality is a remarkable technological achievement that allows you to immerse yourself in a world like the real one, but with many more possibilities. The use of VR allows you to analyze and explore problems for improvement. This proves useful in scientific research, where accuracy and efficiency are the most important factors. This tool is widely used in various fields, from medicine to the military. But despite its benefits, the use of BP raises some pressing issues and challenges.

With the emergence of new technologies, live communication in society is decreasing, and the emergence of virtual reality is exacerbating this problem. People don't notice the difference between the virtual and real worlds, especially if they spend most of their time in an artificial world where there are no wrong paths. The impact of VR inhibits the division of reality into artificial and natural, which changes the way people see the world and the person themselves [1].

There is also the issue of data privacy and security. VR headsets have many cameras and sensors that track body, eye, and facial movements. This data is needed for human interaction with the virtual environment. The information is processed on the device itself, but it can also be transferred to external servers. This can lead to leakage of work-related and personal information. There is a need for privacy mechanisms in VR applications [2].

The role of technology is growing, as is the negative impact on the health of users. A lot of studies have shown that the use of virtual reality can lead to symptoms

that can develop to potential illnesses. Discomfort, nausea, and dizziness may occur. It all depends on the complexity of the movements performed by the user [3]. There are many studies on the impact of this problem on VR use and ways to solve it.

Therefore, the development of virtual reality today requires better optimization and improvement for comfortable use. There is a need for a systematic approach to solving various technical challenges. Only by combining theoretical research with practical experiments can problems be overcome, and a real world of technology be created.

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