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# THE CONCEPT OF VIRTUAL EXISTENCE AND ITS SCIENTIFIC INTERPRETATION

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**Abstract**

In the article, the scientific interpretation of the virtual existence and its main concepts, meaning, and the meaning of virtual reality and the word virtual are widely explained.



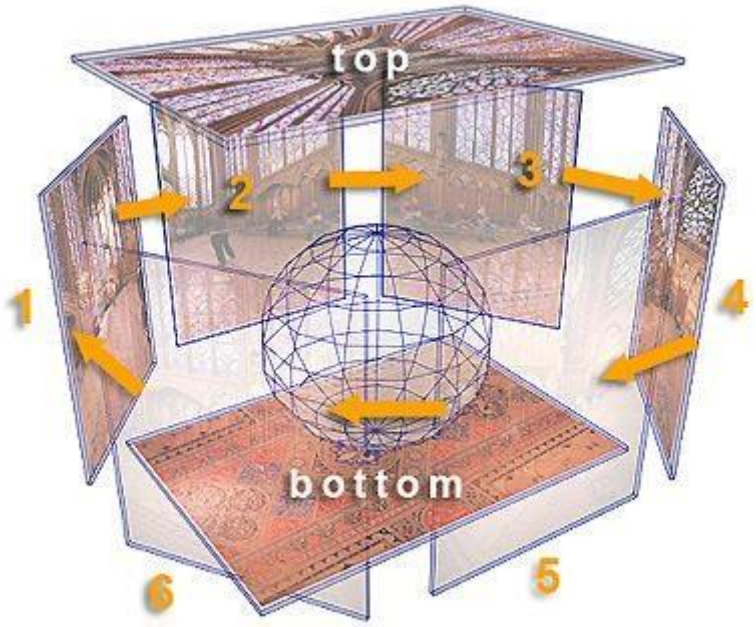
Today, information technologies are developing with acceleration, not speed. Under the influence of this development, various scientific terms have been formed and are becoming popular. Examples of this are virtual reality, virtual travel, website, panorama, etc.

Virtual is derived from the Latin word and means the reflection of reality. This word was first used in the 14th century, and by now we can see that this word has its meaning in various fields. In the field of informatics and information technologies, the concept of virtual is widely used. For example: virtual machine, virtual memory, virtual disk, virtual communication, virtual travel, virtual classroom, etc. Even in this field, the concept of virtual is used in different forms and meanings and has different meanings. For example, in multimedia systems, the concept of virtual means virtual reality.

Virtual reality - this concept is used in the sense of computer modeling and visualization, and is used to create a model of something. The word virtual reality was first used in 1970 in French theaters. Later, it was also used in the field of informatics. Virtual reality (sometimes called virtual reality) refers to an environment created by computer simulation of the real world. There are 3 main features of virtual reality. They are:

- the width of the sphere of influence;
- high visualization;
- three-dimensional environment.

In the early stages of the term virtual reality, panorama was understood. Panorama means field of vision in Greek. There are different forms of panoramas: drawn, shaped, filmed and video. In information technology, a panorama is a 360-degree view. Through a panorama, a person can see the whole existence from one point (1- picture).




**1- picture. Arrangement of panoramic pictures.**

The impact of virtual reality on humanity:

- in organizing and regulating human life;
- a new form of communication between people;
- that the main spheres of life have a positive influence on the spheres of politics, economy, art and tourism;
- with the virtual world, a person can create his own rules and environment;
- existence of illusion between life and virtual existence.

The development of the three-dimensional environment and the possibilities of Internet technologies had a great impact on the development of virtual reality. As a result, virtual reality began to be used in various fields. For example:

in the world of cinema, the 1982 animated film called TRON was a big step in this field. Currently, it is difficult to imagine this industry without virtual reality.

A virtual drama created by BBS radio in 2009 shows that there is a future in this field;

- in the field of art, in 1970, David Em revealed the possibilities of this term with his first virtual exhibition;
- in the field of music, electronic musical instruments are also a product of the possibilities of virtual reality.

In the creation of virtual reality, information technology cannot be formed without computer graphics, real-time mode and programming technologies. OpenGL, Direct3D, Java3D, and VRML libraries of computer graphics, and C++, Perl, Java, and Python languages are used for programming.

There is one feature of virtual reality that will define its future. This is interactivity. Currently, the concept of virtual travel has appeared as a result of the use of virtual reality in the field of tourism. Virtual travel is a type of travel simulated on the basis of multimedia applications. Text, image, sound, panorama, animation and video tools can be involved as multimedia applications. The first virtual tour was organized by Queen Elizabeth II in 1994 at Dublai Castle. The structure of the virtual tour.

It is difficult to imagine virtual reality without Internet technologies. The Internet is a miracle of the 20 th century. The Internet is the new "America" of today. Whoever lags behind will not be able to progress in the virtual world. The Internet is a new dimension of human perception. On the one hand, it is easy to master, on the other hand, it is complicated. Its ease is that you only need to know how to use the easiest of programs "Internet Explorer". This program is enough to browse the Internet and use all its services.

Its complexity is that, firstly, special knowledge and skills are required to use Internet services, and secondly, services and information on the network are mainly given in foreign languages. There are not many services and published information in Uzbek. (For example, while the number of articles in the English language in the world encyclopedia exceeds two and a half million, only about six thousand articles have been published in the Uzbek language).

- Everything in the present life is also embodied in the Internet - the global computer network. If you master it perfectly:

- ✓ write a letter and get an answer in seconds;
- ✓ get to know each other, hold roundtable discussions, participate in seminars, conferences;
- ✓ you will study at correspondence schools;
- ✓ learn a language, translate foreign texts, use dictionaries;
- ✓ you use excellent universal encyclopedias;
- ✓ you read books, newspapers, etc., you will have a world library at home;
- ✓ you do business and creativity while sitting at home;
- ✓ you perform paid and non-paid actions;
- ✓ you travel the world;
- ✓ you enter a virtual (imaginary) life, etc.

In short, you can participate in real and virtual events on the Internet, just like in life.

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