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THE WORLD IS DOMINATED BY COMPUTER TECHNOLOGY

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Today it is safe to say that there are almost no industries left without dependence on constantly evolving technologies. The tourism industry is also keeping up with this trend. Tourism is one of the most lucrative and most dynamic sectors of the world economy. The successful development of tourism has an impact on such key sectors of the economy as transport and communications, trade, construction, agriculture, production of consumer goods. Tourism – both international and domestic – is a growing application of information technology.

Today, the activities of a travel agency necessarily include the use of the Internet. The Internet is used in almost all main processes within a travel agency, from searching and attracting customers, as communications and marketing, and ending with the formation of a tourist product, provides a large amount of information necessary in the work of travel agencies.

Tour operators and travel agencies form the basis of the tourism industry. They provide accommodation and catering services, purchase and booking of tickets, sale of tours. They monitor advertising, information and customer demand.

In order for travel agencies to improve their performance and income, expand the range of clients, they are prohibited from ignoring technological management software in their activities.

The software can be divided into sections such as conducting tours, working with clients, service modes, maintaining payments and documents, maintaining reference books.

This area would have stopped developing if it had not interacted with computer technology. Thanks to development, booking tours, tickets, communication between employees and customers became possible with just one click.

Thanks to computer technology, plans and designs must answer questions such as: main problems of travel agency development, which main directions are more popular, where and what is better to invest money, how to attract tourists more efficiently. Only then computer technology will be useful. Now people do not have to leave the house.

In addition to contacting travel agencies, travelers can find their favorite place themselves, buy tickets, book a hotel room and a table in a restaurant for dinner only using a computer or telephone and the Internet.

If people have any doubts about where to go, feel free to use information resources on the Internet to compare.

The development of technology does not stand still. In this age, the age of digital technology, progress has created the opportunity to experience virtual reality. If people do not want to go to the other end of the world, but look at the next miracle of the world, buy or rent virtual reality glasses. It is not as expensive as going to the Caribbean or any other place. This could be considered a type of tourism, in a way.

Computer technologies make life much easier for people. They are everywhere and play an important role especially in the tourism sector of the 21st century.

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VISUALIZATION OF THE LIGHT INTERFERENCE PROCESS

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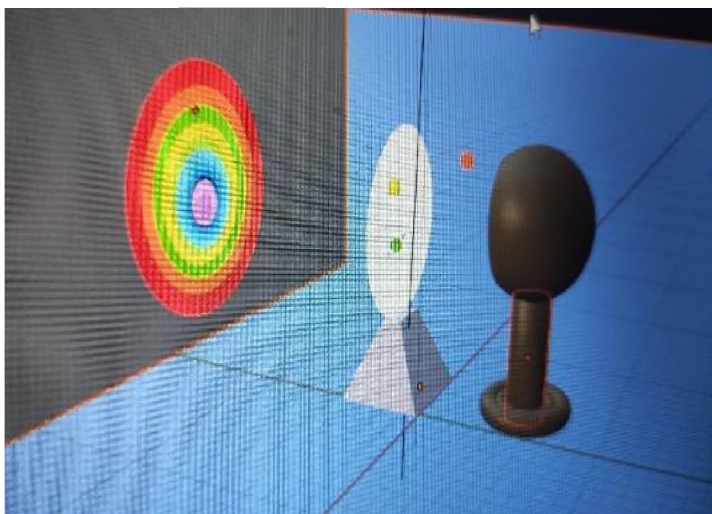
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Visualization is an important tool for understanding the patterns of the studied physical processes. The proposed method allows not only to see the processes invisible to the naked eye, but also to obtain the values of physical quantities that change during these processes.

The complexity of the study of parietal processes lies in their many parametricities, three-dimensionality and non-stationarity, which significantly complicates the use of computational modeling methods. An initial body (ball) was created for the work, which was cut off and four rows of faces of geometric points remained.

With the help of a radiation modifier, a simulation of light passing through a lens was created. A plan was created with the lens and light source. The light source was an imitation lamp. A plan is created that simulates a screen that is at a perfect distance from the lens.

Then with the help of a sphere an imitation of ionizing photons is formed. A color modification of the radiation was created for each of them (see on Figure 1). With the help of animation we see on the screen the redistribution of light energy in the form of Newton's rings.



During this work, the knowledge gained in the study of physical laws and acquired skills in working with Blender Foundation software version 2.8 was consolidated. Using this version is free, simpler, allows you to create a more complex model of visualization of the physical process, the program runs on a PC.

Figure 1. Visualization of the light interference process