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TYPES OF COMPUTER GRAPHICS AND SOFTWARE TOOLS

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ABSTRACT:

A person receives most of the information about the outside world with the help of his eyes. The vision system receives images of various objects. With their help, a person has an idea about the external environment and the objects in it. Creating images of objects, storing them, processing them and describing them in imaging devices is one of the most difficult and basic problems of the computer. When the computer is not assigned any tasks, that is, even when it is idle, it reproduces the image that should be displayed on its screen dozens of times per second.

KEY WORDS: Video process, Computer screen, body, computer animation, computer graphics.

The images that appear on the computer screen are created and displayed using a device called a video card. Special video processors are produced for video cards. Video processors have surpassed the main processor of the computer in terms of complexity and speed of calculation.

Let's get acquainted with how an image is created on a computer screen. The computer's device for displaying data in electronic form is called a monitor (monitor - monitoring, control). Processes on the computer can be monitored through the monitor. The part of the monitor where images are displayed, that is, the screen, is called a display (display - to depict). Currently, imaging devices

assembled in a separate body are called computer monitors, and imaging devices placed together with computers (for example, in laptops, tablets, and phones) are called displays. Computer graphics have been around for many years, and full-fledged graphics systems existed even in the 1960s. Nowadays, the terms computer graphics (CG) and computer animation (CA) are used. The concept of computer graphics includes all forms of working with static images, while computer animation works with dynamically changing images.

Computer graphics is the input, output, representation, change and editing of graphic objects in EHM management.

Computer animation is the "animation" of images on the screen, the synthesis of dynamic images on the computer.

Computer graphics is a special part of informatics, which studies the methods and means of creating and processing images with the help of software-hardware computing complexes.

Summary

During the pedagogical practice of the 34th school of Beshariq district, we directly participated in the Informatics classes and got acquainted with the state of teaching computer graphics to students in educational activities. In particular, we were convinced that the innovative methods used in the teaching of various relevant departments of computer graphics in the course of training in this school can be developed based on the above recommendations and suggestions.

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