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TECHNOLOGY FOR CREATING VARIOUS PROJECTS IN COREL

DRAW

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ABSTRACT:

In vector coding, geometric abstractions such as mathematical formulas are stored in computer memory. For example, to encode a circular shape, it does not need to be in the form of individual pixels. It is enough to store its radius, center point coordinates and color in memory. For a rectangle, its side length, position and color should be remembered. Different shapes can be interpreted using mathematical formulas.

KEY WORDS: Vector format, mathematical operations, size of graphic files, CorelDRAW.

Several simple shapes are used to draw complex shapes. For example, by painting a rectangle with rounded corners black, adding three axes and one black rectangle, we can create a three-inch floppy image. All views in vector format consist of several parts, which can be changed independently. These parts are called objects, and a new object is created using multiple objects. As a result, the objects will have a more complex appearance. Each object has its size, curvature and location values. Therefore, image views can be changed using simple mathematical operations. When using vector graphics, it is not taken into account that the size of the object is too small or, conversely, too wide. In both cases,



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working with the image is the same. You can zoom in or out at any time without changing the image quality. The importance of vector encoding is that the size of the graphics file is significantly smaller than the size of raster graphics files. However, vector graphics also have their drawbacks. First, it is very difficult to create a real image due to the conditionality of the generated image, that is, the images consist of curves constructed using formulas. Therefore, vector graphics cannot be used to encode images. If you need to interpret the image, the size of the received file will be much larger than the size of the raster graphics file. As a software tool for creating vector graphics files, we present the very popular CorelDRAW program.

The working window of CorelDRAW 10 is similar to the window of other graphic editors. When CorelDRAW 10 is launched, the program's initial dialog box appears on the screen. It is also possible to cancel this mode in advance. To do this, remove the flag from show this welcome screen in the launch bar.

First, let's see how to configure the program. If the active game does not take up the full screen, click the expand button in the program title. As a result, the working game will be created in full screen and it will be more convenient to work with the CorelDRAW 10 program.

It is recommended to use a resolution of 1024x768 pixels, preferably 1280x1024, in order to clearly see the created image and place the controlled elements on the screen.

Let's get acquainted with the main elements of the CorelDRAW 10 vector graphic editor in the working window. Like other programs running in the Windows environment, the game name and menu are located at the top of the game. In CorelDRAW 10, the possibilities of changing its interface have been expanded.



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Summary

During the pedagogical practice of the 2nd school of Koshtepa 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, the skills of working with technologies and modern software tools can be developed based on the above recommendations and suggestions.

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