



OPPORTUNITIES FOR THE USE OF COMPUTER TECHNOLOGY IN THE TEACHING OF LANDSCAPE ARCHITECTURE

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Abstract:

The article discusses the relevance of the issues of applying copier technologies in the teaching of specialist subjects and the implementation of course projects, and the possibility of using these technologies.

Keywords. design, computer graphics, AutoCAD, PowerPoint, Presentation, Slide, Corel DRAW, vector graphics.

Today, a new look of drawing and project execution graphics has entered our lives - computer graphics, with which it is possible to speed up the design process of 2D and achieve high graphic efficiency. Let's consider the features of some of the computer programs that can be applied directly in the design. AutoCAD is a two- and three-dimensional automated design and drawing system developed by Autodesk.

The first version of the system was developed in 1982. AutoCAD and special applications based on it began to be widely used in Mechanical Engineering, Construction, Architecture and other sectors of production. The program was created in 18 languages. The degree of branching covered a range from complete adaptation to translation of data documents. The Russian-language version of the program is networked at the level of coverage of entire documents, starting with the command-line interface, in addition to programming management. In early versions of AutoCAD, it was possible to draw objects of elements such as circles, lines, curves, and perform operations to write more complex textures. Through these qualities, AutoCAD gained the name "electronic kulman", and today it is performing such a task.

But today the capabilities of AutoCAD have become very wide, exceeding the capabilities of the "electronic kulman". In the field of two-dimensional design, AutoCAD has the capabilities to perform elementary graphic operations to create much more complex objects than before. In addition, the program has created a wide range of possibilities for working with floors and annotative objects (dimensions, context, designations). The use of an external influence (XRef) mechanism allows a xref structural file of a drawing to be divided into developer and responsive parts in an alloy, while dynamic blocks automate the 2D program of a simple forger in a hole that does not apply programming. As of version 2010, AutoCAD has used two-dimensional





drawing execution. In the 2014 version, dynamic communication of the drawing with Real cartographic data is provided (GeoLocation API). The 2014 version of 229 AutoCAD has all the instruments for the complex solution of three-dimensional modeling.(solid-body, surface and polygonal modeling).

A high-quality visualization model can be created using the AutoCAD mental ray renderer system. The program also includes three-dimensional printing control, (the result of the modeling can be sent to a 3D printer.) and its storage (working with the results of scanning 3D) is provided for xam.

However, it should be noted that due to the inability to put its parameter in the three-dimensional model, AutoCAD cannot compete with the middle-class CAD mechanical engineering program, Inventor, SolidWorks and others. PowerPoint software. In many situations, a specialist is faced with the need to make a short, quick and understandable statement of his thoughts, ideas and the results of his work. Recently, presentation (prizentation) graphics have been used for such purposes. This graphic style allows you to perform a complex of sound slides on the screen with printed materials and animation. Many modern presentation programs have animation, voice work, video and other multimedia capabilities. Presentation (Presentation) is a sequence of interconnected slides dedicated to a specific topic. All slides are saved in one file.

A slide is a videomaterial page, regardless of whether it is considered a separate frame of a presentation and then used as a sheet of paper, a transparent or a 35-millimeter photographic slide. In the order of the slide, there may be a title, text, graphic object, diogram sound boards, video clips. Ready-made slides can be printed on Transparent films to display on a regular projector, or on paper as handouts. Presentation demonstration is the process of displaying slides in a certain order.

This process can be done manually or automatically. To control the display procedure, there is a navigation block in the window. With it, the slides can be displayed on the scroll or in an arbitrary order, depending on the number. 230 PowerPoint is an application that belongs to the Microsoft Office layout and is made up of a graphic package of prepared presentations and slide movies. It has the characteristics of creating a wide range of possibilities for the user to work with text, drawing tools, drawing diagrams, standard illustrations.

This program is very simple for communication, forms lecture theses without difficulty and in a short time, beautifully decorates them and decorates them with the necessary illustrations. This program is convenient to conduct, show the presentation of objects with AIDS. The advantage of Power point is the following:





1. The PowerPoint app is easy to learn. The person studying can learn from structured presentations and ready-made templates according to ham and also achieve high-quality results.

2. By specifying a line of characters in PowerPoint or directly controlling the process of creating slides, tools are installed to assist the user at each stage. PowerPoint asks for informations by offering ready-made design options.

3. PowerPoint can be used to create a codoscope, print on paper, and slides to display on the screen.

4. After the completion of the presentation work, the slides can be printed on paper or diaposites can be prepared using the technical means of Education.

5. PowerPoint is able to offer a wide selection of sound, music, textures, photographs, multimedia.

6. The basis of the presentation is slides. They can include titles, text, diagrams, drawn objects and shapes in other applications, ClipArt graphics, sound and visual effects.

7. Presentations can also be transferred to other computers. In this case, it is possible to save and transfer along with other files of the presentation associated with it. 231 Corel DRAW is an application with an object-oriented package associated with vector graphics. The meaning of the term " object-oriented " is that the user works in the process of creating images and making changes to it, not with its own or small parts (pixels of a clear image), but with elements – objects of the image.

Standard objects (lines, circles, with rectangular shapes, and b.) from which structural objects can be constructed and used as a whole. CorelDraw has priceless controllers of parameters or attributes to suit each class of standard objects. For example, in the " rectangle " object, the following controllers are installed: height, width, contour color, etc. It seems that the student does not have any difficulties in studying these programs, and the issue of application in course projects is relevant today, and the teacher should closely assist them in this area.

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