CREATE DIGITAL IMAGES USING GRAPHICS PACKAGES

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Abstract: In this article, we will talk about the very rapid development of computer graphics, wide use of graphics programs, three types of computer graphics, classes of programs that work with computer graphics, raster packages, digital video applications, special computer programs, the development of information in graphic form

Keywords: image, scanner, graphics, object, computer graphics, raster graphics, vector graphics, fractal graphics, fractal graphics, animation, digital video, 2 dimensional, 3 dimensional.

To insert an image into the computer, you do not necessarily have to scan, take a picture or hold it. Dressing the image is possible on the computer itself. For this purpose, a special class of programs, called graphic editors, was developed.
It was accepted that the development, presentation, processing of information in a graphical form, as well as the connection between graphic objects and non-graphic objects contained in Files, was called computer graphics in Informatics.
Special computer programs made it possible to draw a picture with the help of a mouse on a computer screen, such as drawing a sheet of white paper with a pencil or a pen, and so on, that is, to make an image, fix it and move it. These programs are controlled by picture editing software or graphic editors h, and with the help of which the elements of the picture are managed.
The very rapid development of computer graphics and the fact that its technical and software tools are constantly being updated will help to improve the course, constantly learning new directions in this area.
No modern multimedia software will be without computer graphics. Up to 90% of programmer professionals who create programs for mass use will go to work with runtime graphics. The main norm in editorial and publishing is the organization of artistic and finishing works with graphic programs.
Exposure to the wide use of graphics software has increased significantly in connection with the development of the Internet, primarily the WWW service, which unites millions of separate "pages"into a single network.
Computer graphics plays an important role not only for scientific workers, but also for artists, designers of various fields, specialists engaged in advertising, the creation of Internet pages, the process of teaching and other spheres. Its application, especially in the field of printing, is subject to the use of high decorative techniques for the emergence of colorful fast literature, manuals, artistic works in later times. Videos that attract attention, it has become difficult to imagine the creation of internet pages without computer graphics.
Computer graphics is considered a new fundamental science in the world and has its own independent importance in the training of personnel in the field of economy
Computer graphics are divided into three types:
- raster graphics
- vector graphics
- fractal graphics.

Application classes with computer graphics.
It's hard to find a niche where computer graphics and animation tools have not penetrated so far.
According to the sphere of application of computer graphics and animation tools can be divided into the following groups:
* computer graphics software for printing works;
• two-dimensional color image computer graphics;
* designed programs for presentation work;
• two-dimensional animation programs;

• three-dimensional animation programs;
• two-dimensional animation programs;
• two-dimensional and three-dimensional animation programs;
• video processing equipment;
* programs that carry out scientific visualization work.

Computer graphics and animation programs are of great interest to artists and designers, polygraphists and cinematographers, creators of computer games and training programs, klipmeyer and scientists, as well as all specialists who use images of various formats in their activities.

Computer graphics programs designed for printing works and drawing have the opportunity to fill the text with illustrations of different views, create a saxifrage design, as well as to print high-quality printing products. An example of such programs can be brought Adobe Photoshop rastrli package, which allows you to process images. These and shun-like packages allow you to use the tools necessary for the creation and assembly of Rast images: color correction of scanned images, "smoothing" photos, the use of special effects and masks. The latest versions of the package also have the possibility of creating vector contours and drawing using multi-layered circles of images. The package includes a set of tools designed to work with a variety of masks, from multicolor filters and create special effects.

Rastrli paketlardan tashqri poligrafiya ishlari uchun mo'ljallangan vektorli kompyuter grafikasi dasturlari ham mavjud. Bulardan Windows tizimi uchun mo'ljallangan Adobe Illustrator va Corel Draw dasturlari haqida aytib o'tish lozim. Illstrator illyustrasiyalar yaratish, sahifalarning umumiy dizaynini ishlab chiqish hamda tayyor tasvirni yuqori sifatda chop etishga mo'ljallangan. Paket ihtiyoriy shakldagi simvollar va figuralarni yaratib, so'ng ularni masshtablash, aylantirish(o'z uqi atrofida) va deformasiyalash imkoniyatlaridan tashqari matn va ko'p varaqli xujjatlarni qayta ishlash vositalariga ega.

In addition to drawing, Corel Draw vector package is able to prepare various graphics and render Rast images. This program is provided with the tools for managing files, displaying slides on a computer screen, "manual" drawing and working with layers of images, applying three-dimensional special effects, text processing.

Digital video processing software, as well as the creation of multi-layered compositions using two-dimensional and three-dimensional graphics, can replace the process of complex(s'yomka) photography, processing the materials captured with the help of computer graphics, adding the captured materials with computer animation, output the results to film and video.

AutoCad package Auto LISP has a built-in programming language, with which the user can dressing new commands and, in fact, use a high level of programming languages.

The Designer program has enough tools for estimating the properties of geometrical objects, convenient equipment of animation, as well as a quality module of rendering, along with the application of a high level of modeling on the basis of splints.

The importance of 2 and 3 dimensional graphics in computer graphics

2 dimensional and 3 dimensional modeling programs come in hand for design and engineering developments. Apart from these, these programs can be supplemented with three-dimensional animation, printing, presentation packages.

2-dimensional and 3-dimensional graphics are used in a variety of different professions, and many of them are widely used by film creators.

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