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COMPUTER GRAPHICS AS A MEANS FOR FORMING PROFESSIONAL COMPETENCES

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The modern world cannot be imagined without computer graphics. This technology is used in many industries and sciences such as design, architecture, engineering, medicine and many others. However, computer graphics not only provides an opportunity to create beautiful and realistic images, but is also a necessary tool for the formation of professional competencies.

Computer graphics is an important tool for developing professional competencies in various fields, including education, design, architecture, engineering, medicine, and many others.

The use of computer graphics allows you to create 3D models, visualize complex processes and objects, design and debug new products, and create presentations and documentation. This significantly reduces development time and improves product quality.

Acquiring computer graphics skills helps students and professionals develop such important competencies as creative thinking, analytical skills, teamwork and problem solving skills. In addition, the use of computer graphics allows you to quickly respond to changes in design processes and reduces the time for development and production [1].

One of the important aspects of using computer graphics is its accessibility. Modern computers and programs allow even novice users to use this technology. This makes computer graphics accessible to a wide range of students and professionals, which contributes to its dissemination and development.

In addition, the use of computer graphics can reduce the cost of materials and resources. Instead of creating physical models and prototypes, which can be expensive and time-consuming, you can use computer graphics to visualize and debug a product [2].

Finally, the use of computer graphics improves communication between the various project participants. Thanks to the ability to create detailed and realistic images, the project can be illustrated and demonstrated to all participants, even those who do not have specialized education.

Also, one of the main advantages of using computer graphics is the ability to create 3D models. This allows you to visualize complex processes and objects, design and debug

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new products. For example, in the field of architecture, computer graphics allows you to create detailed models of buildings and structures, as well as test them for strength and compliance with standards [3].

In addition, the use of computer graphics significantly reduces development time and improves product quality. With the ability to quickly adjust and change images, you can quickly respond to changes in design processes and reduce development and production time.

However, the use of computer graphics not only allows you to create high-quality products, but also develop such important competencies in students and professionals as creative thinking, analytical skills, teamwork and problem solving skills. When using computer graphics, students and professionals learn to analyze information, make decisions, look for non-standard solutions, and also learn to work in a team and use resources efficiently [4].

Computer graphics allows you to create high-quality products and develop important skills and competencies among students and professionals. In today's world, where technology is changing rapidly, the use of computer graphics is becoming increasingly necessary for various industries and science [5].

In conclusion, computer graphics is an important tool for the formation of professional competencies in various fields. It allows you to create high-quality products, develop important skills and competencies, and improve communication between project participants. With the rapid development of technology, the use of computer graphics is becoming increasingly necessary to be successful in today's world.

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