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Use of the Adobe Premiere Pro CC software in education process

In the article were looked through the advantages and features of work with the video editing program Adobe Premiere Pro CC. The stages of creation of the video effect of «cloning» using combined shooting and the main tools of the program Adobe Premiere Pro CC are described. The authors analyzed the main tools and functions of professional program Premiere Pro CC. They selected the main components of a professional video editor, which have the power, versatility and depth for creating any video project. The possibilities and practical importance of using this software in the educational process of higher professional education are determined. The necessity of using the Adobe Premiere Pro CC program in a real educational process is identified and justified. On the basis of the conducted research the important role of the use of the software is shown.

Keywords: multimedia, technologies, video editor, installation, video, effect, tools, Premiere, «cloning», the «Mask» tool.

Modern technologies make it possible to make the learning process enjoyable and exciting - it can be high-quality video lectures or video lessons. Our university has been using such technologies for several years already, introducing more and more sophisticated information multimedia technologies into the educational process. Over the past few years, the university has tested and implemented many tools of information and communication technologies (ICT). And the videos in training are not the last place, accompanied by a voiceover by the teacher.

Meanwhile, as we observe at the university, at present, when studying disciplines, students experience some difficulties in studying the disciplines, especially students of correspondence courses. To solve this problem, the university uses modern multimedia technologies, one of the options is the use of video content.

Multimedia - content, or content, in which information is simultaneously presented in various forms - sound, animated computer graphics, video sequences. For example, one container object can contain textual, audio, graphic and video information, and possibility of interacting with it. This is achieved by using a certain set of hardware and software [1].

Multimedia technology is one of the leading and developing areas of the modern world. The rapid growth of the capabilities of computers and hardware, the continuous emergence of new programs and new computer technologies offer astonishing perspectives. Yesterday's novelties are now becoming commonplace, and tomorrow - they are becoming obsolete, time in the information industry is moving at a rapid pace. The use of modern information technologies opens up unique methodological approaches in education.

Multimedia tools provide an opportunity for the teacher to combine in a timely manner various means and methods of displaying information that contribute to deep and meaningful assimilation of the studied material. Since they combine oral and visual form of information presentation, which increases interest in cognitive activity in students, and promotes faster learning of the material studied. Integration of multimedia technologies into the computer science training course reflects only positive aspects. Organization of educational activities with the help of new information and computing and hardware makes it possible to apply them to demonstrate all the possibilities of the study curriculum. At the moment, auxiliary requirements are being created for the preparation of multimedia materials, for their application in the educational process.

To implement video training, we also use ready-made training video files, but we also create our films on a specific topic. To create video content, we made a choice in favor of the programs: Movavi Video Suite, Adobe After Effects CC, Adobe Premiere Pro CC. Successful implementation of video training is based on the right choice of software.

Students have the opportunity to see the finished video materials during classes, and for self-preparation. They are not limited by time frames during classes in the walls of the university and at home, they can play video materials repeatedly for better mastering of the academic discipline, as well as in those places where certain questions arise.

Informatization of education in Kazakhstan assumes a wide introduction of information technologies in the educational process. Subjects of special disciplines are one of the fundamental in gaining knowledge of

the profession. Therefore, on how much the student will master the qualitative knowledge, his qualification will depend on. Multimedia technologies find their application in electronic textbooks, teaching video materials, etc. The discipline «Multimedia technologies» is a profiling discipline for specialties 5B011100 - «Informatics», 5B060200 - «Informatics», 5B070300 - «Information systems», 5B070500 - «Mathematical and computer modeling». One of the important sections of the course «Multimedia Technology» is the study of the main tools of the program Adobe Premiere Pro CC, creation of video materials and training demonstrations in this program.

The object of the study is the technology for creating a video effect of «cloning» using combined shooting and the main tools of Adobe Premiere Pro CC. The subject of the study is the advantages and features of working with the program Adobe Premiere Pro CC.

The aim of the work is to use the Adobe Premiere Pro CC program for editing and assembling video materials, creating a video effect of «cloning» using combined shooting and the main tools of the program Adobe Premiere Pro CC.

To achieve this purpose, the following tasks were accomplished:

- studying of the main tools of the program Adobe Premiere Pro CC;
- studying the technologies of creating video materials and educational videos;
- studying the technology for creating the video effect of «cloning» using combined shooting and the main tools of Adobe Premiere Pro CC;
- creation of demonstration materials for visual demonstration of the program.

The process and stages of creating video materials should perform the following functions: the formation of students' skills in working with video editors, skills of independent work in educational activities, control over the result of mastering knowledge.

The practical importance of the work lies in the possibility of using the Adobe Premiere Pro CC program effectively to create training video materials for all academic subjects.

In the modern world creating your own amateur film or videoclip became available for every user. At this moment there are hundreds of different video editing programs that can be run not only on personal computers or laptops but on smartphones and tablets. Now, anyone can film their own videoclip, make a montage and publish it on the Internet. But what will make it differ from other videos, made by same amateurs, experimenting in this sphere of creativity? Right now, in the world of high technologies and maximum availability of content, requirements to any video project are much higher than ever. And to create something really worth attention of the audience it is needed to use the best tools for it. That's why in this article we'll review timeline-based video editing app Adobe Premiere Pro and look through the simplest example of creating unique and unordinary videoclip. This program is the absolute leader in the sphere of montage, video editing. And there are good reasons for this leadership. Having experience with plenty other video editors, such as Final Cut Pro, Sony Vegas Pro, Movavi Video Editor, VideoShow and etc., I have made a conclusion that the most qualitative and convenient program for the user is Adobe Premiere Pro. Why? First of all, the process of video editing itself is maximally simplified and rationalized. Video effects that in any other programs are made with 2-3 steps, there, in Adobe Premiere Pro you make with one [1]. And yes, it really matters when there is a necessity in editing a big amount of videos, creating large-scale project. Second of all, making montage in Adobe Premiere Pro, your project will go through all the stages of post-processing of footage. Starting with a cut on the time-line, finishing with video effects, color correction, sound-processing and making ending credits. All the stages of video creating are executable in just one app, which helps to rationalize the whole process and save time, not transferring your video from one program to another [2]. Third of all, it is needed to consider that every year Adobe Systems releases new versions of their software. And every update has colossal changes, influencing on work of the software. For example, in the latest version of Adobe Premiere Pro CC 2018 appeared an opportunity to open a few big and volume projects at the same time, what increased efficiency of work like two times. Also in the new version added another collection of video effects and transitions that meet all standards of the current style of video design [3]. Therefore, even if you are just starting to work in the field of video editing, then start right away with Premiere Pro.

In this article will be described the process of creating a video in which the combined shooting was used, and the Mask tool in Adobe Premiere Pro CC 2018 was applied. Below is a frame from the mentioned video. During the preparations, it is necessary to set the static, non-replaceable position of the camera, while removing the character sitting in 3 different places. Combining the received videos, we get a picture of dissociative personality disorder (Fig. 1).



Figure 1. Picture of dissociative personality disorder

Now more about the processing of the video itself. On the editing line, you need to put all 3 videos in one time point, but on different video tracks, one on top of the other. Then, on the uppermost video, use the Mask tool, highlighting the required object. A similar step to perform with the second video track, leaving in the original form only the bottom video (Fig. 2).

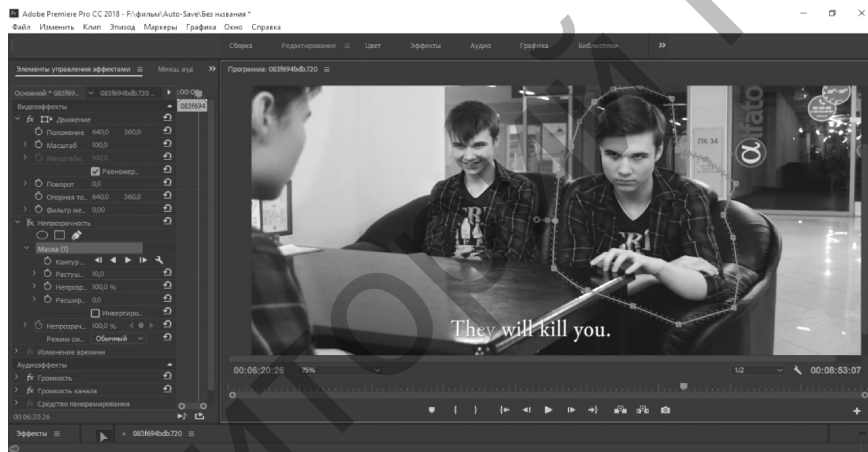


Figure 2. Execution of the second video track, leaving in the original form only the bottom video

As a final result we get several «clones» of the same person (Fig. 3).



Figure 3. The image of several «clones» of the same person

In this scene theMask tool was also used to show the disappearance and appearance of the character. It was necessary to give the atmosphere of a distorted reality and hallucinations of the protagonist (Fig. 4).



Figure 4. Creation of an atmosphere of distorted reality and hallucination of the main character

It is also very interesting to overlay video tracks on each other even without the use of Mask tool. Working with scaling, and also applying Channel Mixing in the Color Correction panel, you can get a bright, acidic stereo image (Fig. 5).

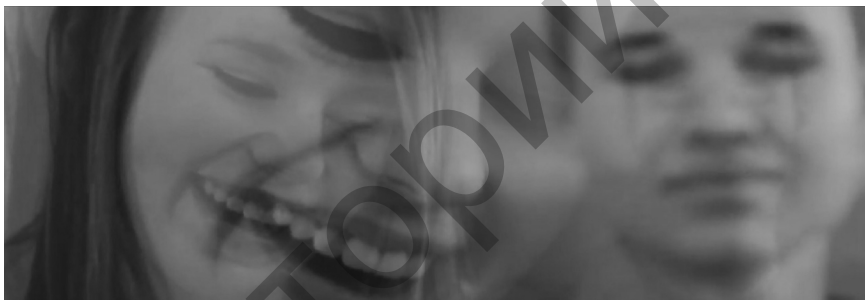


Figure 5. Work with scaling

This style of color correction has gained great popularity over the past few years (Fig. 6).



Figure 6. Style of color correction

Above, only some of the techniques used in Premiere Pro were presented to obtain the desired effect. Further use of the program will open new opportunities for the realization of your creative potential. The most important thing is to experiment and try new combinations, new ideas and concepts in creating a video. Trying to create something original, unlike the work of others, you will form your own style, which can receive a large number of positive comments from your viewers.

Thus, the use of video content created with Adobe Premiere Pro CC, at our university, gives impetus to the formation of critical thinking among students. It was revealed that with the help of video training you can visualize the object or process as clearly as possible, create a mood and convey emotions. When visualizing the educational material, the video helps synthesize a schematic image of a larger «capacity», thus compacting the information. And the students themselves are more willing to use video content in the educational process. In place of traditional teaching technologies, we are introducing combinations of traditional forms of education and distance learning with the use of multimedia technologies. The application of modern technologies at the university shows the provision of access for the teacher and student to information sources in modern information technologies, which favorably contributes to the development of students' self-education through the organization of academic work. We should expect further distribution of video training within the walls of our university.

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Adobe Premiere Pro CC бағдарламалық қамсыздандыруды оқу үрдісінде қолдану

Мақалада Adobe Premiere Pro CC бейнені өңдеу бағдарламасымен жұмыс істеудің артықшылықтары мен ерекшеліктері қарастырылған. Аралас түсіруді және Adobe Premiere Pro CC бағдарламасының негізгі құралдарын пайдалануы мен «клондау» бейне әсерін жасау кезеңдері сипатталған. Авторлар Premiere Pro CC кәсіби бағдарламасының негізгі құралдары мен функцияларын талдады. Кәсіби бейнередатордың негізгі компоненттері ерекшеленген, ол кез келген бейнежобаны жасау үшін қуат, әмбебап және тереңдікке ие. Бұл бағдарламалық қамтамасыз етуді жоғары кәсіби білім беру жүйесінің оқу үдерісінде пайдаланудың мүмкіндіктері мен тәжірибелік маңыздылығы анықталған. Adobe Premiere Pro CC бағдарламасын нақты оқыту үдерісінде пайдалану қажеттілігі негізделген. Жүргізілген зерттеулер негізінде бағдарламалық қамтамасыз етуді қолданудың маңызды рөлі көрсетілген.

Кілт сөздер: мультимедиялық технологиялар, бейнежоба, бейнеөңдеу, әсер, құралдары, премьер, «клондау», «Маска» құралы.

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Использование в образовательном процессе программного обеспечения Adobe Premiere Pro CC

В статье рассмотрены преимущества и особенности работы с программой по обработке видео Adobe Premiere Pro CC. Описаны этапы создания видеоэффекта «клонирования» с использованием комбинированной съемки и основных инструментов программы Adobe Premiere Pro CC. Авторами проанализированы основные инструменты и функции профессиональной программы Adobe Premiere Pro CC. Выделены основные компоненты профессионального видеоредактора, который обладает мощностью, универсальностью и глубиной для создания любого видеопроекта. Определены возможности и практическое значение использования данного программного обеспечения в образовательном процессе системы высшего профессионального образования. Выявлена и обоснована необходимость использования программы Adobe Premiere Pro CC в реальном учебном процессе. На основе проведенного исследования показана важная роль применения программного обеспечения.

Ключевые слова: мультимедиа, технологии, видеоредактор, монтаж, видео, эффект, инструменты, премьер, «клонирование», инструмент «Маска».