Research on Oil Painting Creation Based on Computer Technology

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Abstract. Painting art can bring us the experience of life. The art of painting is the crystallization of thousands of years of Chinese culture. Many people like oil painting. This traditional art form can transform people's thinking into a physical picture. In the process of oil painting creation, artistic conception needs to be rendered. With the rapid progress of science and technology, people found that computer technology can help the creation of oil painting[1]. This paper mainly describes the reference of computer technology to oil painting creation. This paper puts forward the indirect application of image processing technology and computer aided technology in oil painting creation.

Keywords: Computer Technology, Oil Painting, Creation

1. Introduction

Oil painting originated in Europe in the 14th century. The appearance of this painting form makes people see a new artistic image. After the reform and opening up, China has also formally introduced foreign oil painting art. In the early stage of reform and opening up, oil painting art was repeatedly expanded and revived. Nowadays, the teaching of oil painting has become the main course in China's Academy of fine arts. This is enough to prove the influence of oil painting creation on the historical development of our country. The art of oil painting in western countries is very developed. Compared with western countries, China is in the primary stage of development.

With the development of science and technology in every era, new art forms are bound to appear. The innovation of traditional art form will be accompanied by the emergence of new technology. With the continuous development of computer technology, scholars combine computer and oil painting effectively[2]. The research of oil painting creation based on computer has become a hot topic in the field of art. In order to verify this theory, this paper briefly summarizes the reference of oil painting creation in computer technology (see Figure 1). This paper describes the image processing technology
of oil painting creation. This paper also describes the computer-aided oil painting creation. Finally, this paper draws the corresponding conclusion.

2. The analysis of the reference behavior of computer technology in oil painting creation

2.1. Reference behavior of creative consciousness

We can find that the image of the computer screen is a form of painting. The use of computer painting is now a hot topic. Everyone can build the corresponding painting forum in the network. Everyone can participate in the exhibition of oil painting art on the Internet[3]. Computer based painting is a normal phenomenon. Similarly, we can still find the corresponding inspiration in the computer oil painting creation.

2.2. Reference of the concept of wind collection

In oil painting creation, collecting style refers to the selection of oil painting style. Many writers even go to the wilderness to collect wind. A lot of people also collect wind in the natural landscape. In fact, with the help of computers, we can collect wind from the Internet. The concept of Internet style is based on the concept of oil painting creation. The process of painting collection on the Internet is very simple. Virtual graphics will make people's hearts more shocked.

![Figure 1. Design of oil painting based on computer](image_url)

2.3. The Use of painting techniques for reference

There is no doubt that today's painting forms are diversified. Computer graphic design is a form of intelligent painting. In the computer, the expression of painting is very unique. Many artists combine this technique of expression with oil painting. Therefore, the forms of computer oil painting are very diverse. It can be seen that it is very important to draw lessons from the expression of painting.

2.4. Analysis of oil painting works

In the network, every user is a connoisseur of art. They all have the right to speak. In the online painting exhibition, many people will show their oil paintings. Compared with the traditional oil painting work analysis process, the network oil painting work analysis may be very simple. However,
the process of computer painting is also very simple. It can be seen that the reference of works analysis is also very important.

3. Research on computer image processing technology and oil painting creation

3.1. Visual expression of visualization

There is no doubt that computer image is a virtual art of painting. There are many changes in the forms of artistic expression of computer creation. The use of computer image processing technology in oil painting tends to be more visual expression[4]. Oil paintings created by many scholars are regarded as ordinary photos. However, it is worth noting that the reasonable application of computer image creation can improve the quality of oil painting creation.

3.2. Ordinary oil painting creation

In the past, we thought the creation of oil painting was very advanced. Oil paintings are also very elegant. However, when image processing technology and oil painting are combined with each other, we will think that oil painting works are ordinary painting content. Using computer image processing technology of oil painting has become an ordinary creation. However, there are still many differences between the image processing oil paintings of experts and ordinary people.

3.3. The lack of traditional aesthetic charm

Nowadays, people can use computer image processing technology to easily complete a complete oil painting. Today's computer oil painting creation is very simple. Traditional oil painting is very difficult. However, today's intelligent oil painting is difficult to get the traditional aesthetic charm. We will find that everyone is very proficient in image processing. Computer oil painting seems to have lost its charm.

3.4. Extreme design of visual experience

Today's computer age is an era of irritability. Few people calm down to create a wonderful oil painting. The use of computer image technology in oil painting tends to be more visual experience. This kind of oil painting is designed to attract more people's attention[5]. It can contain a lot of simple computer operations. However, this kind of oil painting has no original connotation and rich aesthetic feeling.

4. The relationship between CAD and oil painting

4.1. Establishment of convenient oil painting framework

The composition of traditional oil painting is complex. The traditional composition expresses the thought and artistic conception of experts. It is more able to reflect the emotion that the oil painting wants to express. Using computer aided design technology, the framework of oil painting composition is easier to establish. With the help of CAD technology, everyone can build an excellent oil painting framework. This way can effectively help the creation of computer oil painting.
Table 1. The investigation of the difference between the oil painting creation of computer aided design and the traditional optimization creation

| Painting project | Traditional oil painting | Computer oil painting |
|------------------|--------------------------|-----------------------|
| Frame            | Contemplate              | More accurate         |
| Color control    | It's hard to control     | Scheme selection      |
| Painting style   | Same as frame            | Same as frame         |

4.2. Convenience of oil painting color adjustment

In the process of oil painting creation, the adjustment of color is very important. The color of oil painting can show the connotation of oil painting creation. The expression of color is a rich expression of connotation[6]. Many experts believe that color is an important artistic language of oil painting. The expressive power of color is very powerful. Computer aided design can help people more easily choose the color matching. This can make the computer oil painting creation more excellent.

4.3. Selection of painting style

The painting style of traditional oil painting is built by experts. Painting style is the unified external performance of oil paintings. He is also the embodiment of the artist's personal concept and inner quality. The choice of traditional painting style is very difficult. Computer aided design technology can improve this more easily. The computer can help people choose various painting styles for free.

5. The application of artistic conception in oil painting creation based on computer

5.1. Definition of artistic conception of traditional oil painting

The meaning of artistic conception is very abstract. Many scholars believe that artistic conception will express the content of people's spiritual world. It can reflect the connotative meaning that an author wants to express. Moreover, the expression of artistic conception of Chinese writers in the creation of situational paintings is also highlighted[7]. The artistic conception of traditional oil painting means traditional natural and objective reflection. Its humanistic emotion is different from nature.

5.2. Artistic conception of landscape description

The creative thinking of landscape painting is very limited. It can be roughly divided into two forms of expression. The first is the description of the scenery of the eastern countries. The other is the scenery description of western countries. Therefore, in the process of using computer technology to express oil painting, designers must have a good grasp of the main features of the eastern scenery and Western scenery. This is the main description of the artistic conception of the characteristics.
5.3. **Common ways to control artistic conception**

The layout of artistic conception is very important. Every optimized composition drawn by computer technology is very ingenious. Experts think it can be fascinating. The control of artistic conception also needs to pay attention to the control of color. Color is the language expression of painting emotion. It can give viewers unlimited imagination[8]. In addition, the control of artistic conception needs to pay attention to the selection of background materials. These three points are the key.

6. **The significance of oil painting creation based on computer technology**

6.1. **Inspire people's creative ideas**

In fact, everyone is a painter. Everyone has the inner feelings to express their own creation. Aided design can provide us with a platform for oil painting creation. The simple process of image processing is very noticeable. It can inspire people's innovative ideas.

6.2. **Extension technology of computer network**

In the rendering of computer technology, a lot of painting technology are accommodated in the network. We all know that computer screen design has covered all aspects of our lives. This is an issue worthy of attention[9]. It can be seen that the future of computer technology, the development of painting technology is bound to be very rapid. We can think that with the help of computer technology, people can more easily accept traditional things.

6.3. **Promoting traditional culture**

In fact, the art of oil painting has a long history in China. The national education department always emphasizes that we should carry forward the traditional culture. However, today's traditional culture is difficult to be noticed. People put all their energy into the research process of advanced computer technology[10]. Therefore, we can combine computer technology and oil painting art effectively. This can carry forward the traditional culture.

7. **Conclusion**
In the past, the creation of oil painting was a complicated process. Today, we can use computer technology to create any kind of oil painting. The application of computer technology can not only improve people's aesthetic standards, more importantly, it can also make people pay attention to the inheritance of traditional culture.

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