Research on the Influence of Computer Technology on Oil Painting Creation in the New Era

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Abstract. In the context of iterative progress of new tech represented by computer, the aesthetic needs of the public are also in the process of continuous improvement. In this context, oil painting art creation should not only consider the aesthetic needs of the public, but also pay attention to the psychological needs of the public. Based on this, this paper first analyzes the utilization characteristics and value of computer tech in oil painting creation, then studies the utilization skills of computer tech in oil painting creation, and finally gives the influence of computer tech on oil painting creation.

Keywords: Computer Tech, Oil Painting Creation, Application

1. Introduction

With the iterative progress and maturity of computer tech, it has been widely used and popularized in many fields, especially in the field of artistic creation represented by oil painting, which greatly promotes the improvement and development of oil painting creation concept and level. The organic integration of computer tech and oil painting provides a more flexible and broad imagination space for the creative process and creative thinking of art creators [1]. The organic utilization of computer tech represented by image information processing in oil painting creation has gradually become a popular creation technique. With the integration of computer tech and oil painting art, as well as the use of new materials, new tech and new ideas, oil painting creators in their works into their own personality and emotional process has gradually become more convenient and fast.

Computer software can give some assistance to oil painting creation activities. For example, it can make the complicated oil painting creation skills more simple. The use of computer art tech provides a new idea for the oil painting creation process. For oil painting art creation, aesthetics is an indispensable content. The utilization of new computer tech can not only better cater to the public aesthetic, but also better meet the oil painting artists' imagination of art creation. In the context of the dynamic progress of new tech, the aesthetic needs of the public are also in the process of continuous improvement. In this context, oil painting art creation should not only consider the aesthetic needs of the public, but also pay attention to the psychological needs of the public. Oil painting as a visual art, the integration of computer tech and oil painting creation helps to bring the viewer a stronger visual experience and better meet the aesthetic needs of modern people.
In addition, oil painting art creation is not only the surface of the painting, more to show the artistic connotation of the work, so that viewers can feel the meaning and charm of art. [2] As an art product under the condition of informatization, computer oil painting art creation has several typical characteristics as shown in Figure 1 below. Computer tech not only provides technical premise for the innovation of oil painting art creation, but also changes the mode of public appreciation and understanding of oil painting art. With the iterative progress of tech, the utilization of computer tech in oil painting still has a lot of room for improvement.

In short, computer tech makes the creative thinking and creative imagination of oil painting creators have been significantly improved, and makes the creative concept of oil painting ushered in a new development opportunity [3]. The organic utilization of computer image processing tech in oil painting creation has made remarkable changes in the conception level of oil painting artistic creation, as well as the creator's emotional integration and personality expression level. As an important supplement and branch of traditional optimized creation form, the development space and Prospect of oil painting creation under computer tech will be more and broader. Therefore, it is of great practical value to study the influence of computer tech on oil painting creation in the new era.

![Figure 1. Typical features of computer oil painting](image)

2. Utilization of computer tech in oil painting creation

2.1. Utilization characteristics of computer tech in oil painting creation

As a kind of computer graphics art, computer tech is widely used in various art fields represented by graphic design, environmental space design, animation design, etc. this tech can be well integrated with oil painting art creation to realize the organic connection between art design and computer graphics art [4]. With the continuous maturity of computer tech, its utilization in oil painting creation is more and more in-depth, especially the auxiliary oil painting creation, has been respected by many oil painting art creators. At present, in some oil painting art exhibitions, the optimized works based on computer tech occupy a considerable proportion. It can be said that the computer graphics tech is a representative value change in oil painting art creation. As an art product of the information age, the visual art of oil painting creation under the computer tech not only has the artistic characteristics of modernity, technicality and aesthetics, but also has a considerable advance [5]. Computer tech has created a technical premise for the optimization of artistic creation and transformation, and realized another innovation and transformation of the aesthetic way of oil painting art by the public.

2.2. The relationship between computer tech and oil painting creation

The presentation of computer tech in the art form of oil painting is mainly reflected in the image of oil painting, cartoon painting and right impact of oil painting. Among them, in the level of image painting, under the condition of the popularization of computer digital tech, image symbols have penetrated into various fields, and made the oil painting art field appear new artistic language and artistic context. In this context, the organic integration of oil painting art and computer digital image tech and other technical tools has spawned a large number of personalized art images. The oil painting works under the computer tech are very different from the traditional oil painting in terms of its modeling language,
expression method and composition form, which has become the new trend of the development of oil painting art [6]. Secondly, at the cartoon level, the graphics generated by computer virtual tech constitute a wealth of popular culture and visual modeling, which inject new vitality into artistic creation and give them cultural significance. In addition, at the level of power impact oil painting, through the processing of information as shown in Figure 2 below, it is inevitable for the development of digital art to realize multi-channel visual information exchange.

![Figure 2](image)

**Figure 2.** The processing flow of right impact oil painting

2.3. The value of computer tech in oil painting creation
First of all, the utilization of computer tech in the process of oil painting creation provides nutrition for oil painting creation to absorb concept art [7]. Under the background of the new era, the aesthetic concept of the public is constantly improving and diversified. Therefore, oil painting artists also need to make full use of digital auxiliary tools to create more epochal oil painting works. Secondly, computer tech provides a lot of material resources for oil painting creation. The use of computer digital image material for the optimization of artistic creation, reproduce the virtual scene, making oil paintings more scientific and technological and sense of the times. In addition, computer tech provides a convenient technical means for oil painting creation. The visual effect, visual impact and tension of the oil painting works processed by computer digital art are stronger, and the spatial expression of the picture is also greatly enriched.

3. Utilization skills of computer tech in oil painting creation

3.1. Oil painting creation under computer tech
The combination of computer image processing tech and oil painting art enriches the techniques of oil painting creation. The professional means and skills of computer are used to optimize the artistic creation. In the whole process of creation, the profound essence of traditional oil painting art is organically integrated with modern tech, so as to enrich the connotation of computer oil painting creation. The oil painting creation under the computer tech has the incomparable superiority of the traditional oil painting art [8]. It can not only extract the digital, digital imaging, scanning image quickly and efficiently, but also make the image color of the oil painting works more real, easier to keep and transport for a long time. In addition, with the continuous development of computer software functions towards the direction of specialization and diversification, oil painting art creators can quickly and effectively modify their works at any time, and the interpenetration and blending of computer software functions can better stimulate artists' creative inspiration.

3.2. Utilization skills of computer tech in oil painting creation
Computer image processing can organically simulate the effect of oil painting creation techniques, and simplify the complex oil painting creation techniques. The utilization techniques of computer tech in oil painting mainly include the arrangement of image materials, the inspiration of picture composition creativity, the adjustment of graphics and image color, and the rendering of picture painting effect [9]. Among them, in the collation level of image material, with the help of computer tech, the adjustment of material will be more easy and simple. Secondly, in the creative level of picture composition,
computer tech helps to create more visual dislocation of oil paintings. In addition, in the adjustment of the color of graphics and images, computer tech has opened up the artist's color vision. Finally, in the rendering level of painting effect, the use of computer tech to improve the artistic quality and aesthetic vision of the creator, so that the artistic value of the work can be significantly improved.

4. The concrete influence of computer tech on oil painting creation

4.1. The influence of computer tech on oil painting creation

As an important part of oil painting, aesthetics is closely related to oil painting. The emergence and development of computer tech not only caters to the public aesthetic, but also promotes the innovative inspiration of oil painting creation and creation, realizes the further enrichment of oil painting types, and promotes the improvement of public aesthetic from the overall level. Secondly, the computer tech makes the traditional oil painting creation have more rich and diversified creative techniques, and provides a broader creative space and material support for the artistic creation of oil painting [10]. At the influence level of oil painting creation concept and visual experience, computer tech can simulate various techniques and mechanism effects in traditional oil painting creation, so that the appeal of the work and the expressiveness of the picture can be further improved.

In addition, the external influence of computer tech on oil painting is mainly reflected in the mass media cultural thinking and new media art. Computer tech has promoted the transformation of oil painting creation language in several aspects as shown in Figure 3 below.

Figure 3. Influence of computer tech on the language of oil painting creation

4.2. The influence of computer tech on the trend of oil painting creation

With the iterative maturity of computer tech, oil painting creation under computer tech has appeared more diversified ways of expression, and the value orientation and artistic expression of oil painting creators have also begun to show new changes. These changes are mainly reflected in the modeling vocabulary, expression methods and organization methods of oil painting works. Among them, the modeling vocabulary of oil painting tends to be visualized, and more attention is paid to the capture of the scientificity and authenticity of oil painting image expression, so as to better arouse the public's sense of identity [11]. Secondly, at the level of expression techniques, the artists tend to be more ordinary. They express their personal feelings and thoughts by describing the living conditions of the real group. In addition, at the level of organization, the traditional aesthetic taste tends to disappear gradually. Computer tech will produce a lot of image information, which makes it difficult for the public to deal with effectively. They can only passively accept the visual guidance, which makes the oil painting appear the trend of image variation.

5. Conclusion

In summary, the organic utilization of computer image processing tech in oil painting creation has made remarkable changes in the conception level of oil painting artistic creation, as well as the creator's emotional integration and personality expression level. Through the research on the utilization of computer tech in oil painting creation, this paper analyzes the relationship between computer tech and oil painting creation, the utilization characteristics and value of computer tech.
Through the analysis of the utilization skills of computer tech in oil painting creation, this paper studies the typical influence of computer tech on oil painting creation and its creation trend.

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