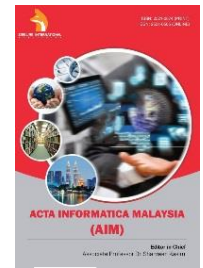


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RESEARCH ARTICLE

APPLICATION OF THE WESTERN ART FORM BASED ON ARTIFICIAL INTELLIGENCE

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ABSTRACT

The western artistic school understands the world through its form of expression, images creation from the consciousness which induces illusion, deal with concretion through decomposition, synthesis, overlap, art cross thinking. it reflects subconscious progress; The art school evolution from classical to modern, based on the objectives, from concretion, impression to abstract art expression, artificial intelligence deepen the objective, scientific, rational and artistic exploration, less considering the unity of formation and content of the art in exploring the breakthrough, but the transcendence mechanism itself will continue to research in the art field because of art nature, It will prompt the rationalization of western art in convergence and development constantly.

KEYWORDS

Artificial intelligence, Electrification, Innovation, Application

1. INTRODUCTION

The focus of this paper is through analysis using artificial intelligence techniques of Western art form in the field application, analysis of the western art form in the artificial intelligence technology support by showing the artistic characteristics and various expression, then summarizes the design idea of western art form. We hope to get more understanding of western art form through the study of this paper. We also wish more and more excellent design work to bring pleasant user experience through our effort during the exploration progress of western art creation (Haskell et al., 1980).

2. MATERIALS AND METHODS

2.1 The importance of combination on art and technology

The western art form based on artificial intelligence integrates both arts and technology, they are indispensable. But designers know little of this today, technicians are lack of aesthetic and creative ability since no artistic background. It is not advantage for developing of western art form. When a designer does not care about the relevant technology, does not know what level the technology can achieve, he will rarely to take this initiative advanced technology into the arts, so in western art form field, the Gray Color Talent which mean the talent has ability both on technology and arts is particularly important, this is why the designers need improve their artistic accomplishment in mean while to enhance their technology learning (Richard, 1993).

2.2 Fully express artists' imagination and creativity

The creation and expression of art digital image provides a broad platform for artists. Here there is no limitation of time and space, RGB makes the visual feast, TV-Spectacles become possible due to its colorful imaging model, today, it is more mature and variety for development of artificial intelligence, under the support of different areas, there will be an environment "nothing is impossible". it is a great challenge for artists to create the innovation environment, artists need break the inherent creative mind and take his advantage of his own imagination and creativity to create a unique outstanding works, As shown in Figure 1.

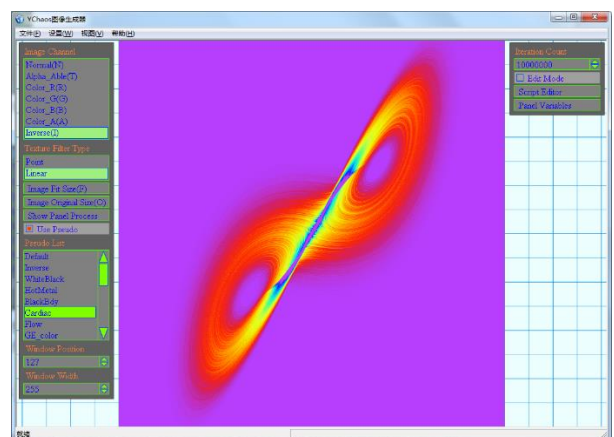


Figure 1: Effect of color image pattern

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2.3 Attention to the combination of visual effect and cultural feature

The western art form integrates multi-aspect of artistic express into one, its special RGB color image and its digital form create a colorful and fantastic world, art forms application industry is expanding, enriching all the time, with its thrilling plot, fantastic visual image, novel materials, interaction techniques, pop's music delude the audience to folly. The complete package experience and real time interaction design is certainly a major breakthrough in the art world, it can be forgotten, abandoned after appreciating the art work only for its shocking visual effect but not touch audience' hearts. So planning a wonderful story material is very important, a work can become immortal masterpiece if we equally care about designing plot of story and visual effect in application of western art. (Martin, 1981).

3. RESULTS

3.1 Expressing combination of variety of art forms

Western art forms combine traditional art form with landscape sculpture and architecture, expands the application of traditional western art form field, enhances expression of landscape sculpture in arts, it put image, photograph, text to the arts carrier through the electro-optic image, it helps to present the inheritance of the traditional art for adding new elements, new scheme in art work. An artistic entity is applied in the form of a western art increases the sense of image space, to compensate for the shortcomings of present digital images of two-dimensional; digital image art for the real art brought presents dynamic, add a visual spectacle. Designers also pay more attention to the integration and penetration of physical art and virtual art, and pay attention to the exchange and interaction between the art and the public.

The use of artificial intelligence technology and digital image art, making traditional art presentation is more complex, promoting the new development of the traditional art and Western art form of presentation is becoming richer, more dynamic and diverse. This rich, innovation, humanization of art shocked audience' visual impact, cater to modern peoples' aesthetic view. In the mean while, the involvement of the artificial intelligence make audience obtain good interactive experience in dialogues, they will get more realistic feelings, the audiences can appreciate of art and visual sense simultaneously, they can get temporary relief and relax (Osborne and Harold, 1983).

Here we take the naked eye 3D stage show and other interactive programs to analyze (Figure 2). This stage uses a variety of media tools combined with Western art forms and artificial intelligence technology to show a good application, the audience got a wonderland of experience, it can be said to be a magical visual journey. Aesthetic image material and particle effects create a magical environment, coupled with the actor's performance and sound production to create a fantasy, aesthetic and stunning effect, which is not achieved by performing alone. Special stage, costumes, props, and the beautiful artistic performances of the actors and the gorgeous stage lighting and image make people feel the "Afanda" in Wonderland again. Here the western art form, actor performances, stage lighting, music and other aspects are not isolated, but combined together organically to create such colorful art (Burke, 1987).

3.2 To show through the combination of computer and other related equipment

The application of the western art form is a kind of dynamic art with time and electronic properties. The computer uses its powerful computing function to make the digital image art and the processing in later stage. So, the computer plays a decisive role in the production and development of digital video art. Today, the production of digital video art related hardware, software has been developed relatively mature. If it is used for

editing and synthesis of technology for 3D, 2D and rendering technology, so the western art form of flexibility in the use of time and space greatly more than the traditional art, so did the performance of the continuous enhancement. Here artists can change the dynamic image of space and time according to their own subjective design, to play their own imagination, these intelligent software greatly enrich the theme and content of image art. In addition, with the peripheral devices such as computer display, projector, LED and other display devices, mobile phones and other mobile terminals so that the application of the western art forms is no longer limited to the network, As shown in Figure 2. Digital image art can be better combined with other forms of art, applications extended to public art fields, the field of architecture, interior decoration and so on, to create more fantasy art effect play greater role (Kawada et al., 1984).

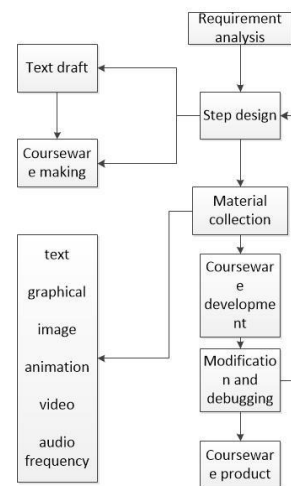


Figure 2: Development process

4. CONCLUSION

In summary, based on the artificial intelligence technology, digital image art application has very high technical level, to achieve in-depth analysis of its characteristics, we must have professional, extensive learning and research in the art science and computer fields, due to limitation of the knowledge, this article would focus on the analysis of the artistic aspect rather than the technical level, so the analysis is not comprehensive. In our view of art, this paper analyzes the application of digital image art based on artificial intelligence technology, we hope our little effort will help this new industry.

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