Retraction

Retraction: Application of Virtual Reality Technology in Chinese Traditional Decorative Elements in Interior Design
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The authors of the article have been given opportunity to present evidence that they were the original and genuine creators of the work, however at the time of publication of this notice, IOP Publishing has not received any response. IOP Publishing has analysed the article and agrees there are enough indicators to cause serious doubts over the legitimacy of the work and agree this article should be retracted. The authors are encouraged to contact IOP Publishing Limited if they have any comments on this retraction.

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Application of Virtual Reality Technology in Chinese Traditional Decorative Elements in Interior Design

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Abstract. As one of the four ancient civilizations in the world, China has a long history and profound cultural heritage. Traditional decorative elements occupies a very important position in the long history. Because traditional decorative elements contain very strong Chinese characteristics, they are modern. The interior is very popular. In addition, traditional Chinese decorative elements not only play a decorative role in interior design, but also contribute to the inheritance of traditional Chinese culture. The modern interior decoration blends the cultures of various regions and is full of ethnic styles. With China's reform and opening up, decorative elements with Chinese characteristics have been on the world stage. Based on computer virtual reality technology, this article discusses the application of Chinese decorative elements in interior design.

Keywords: Chinese Decorative Elements, Interior Design, Traditional Culture

Following the pace of reform and opening up, China's traditional culture has not stopped at home, but has gradually stepped onto the big stage of the world. With the continuous improvement of material living standards, people began to strengthen the construction of spiritual culture, especially Chinese traditional culture. It developed together with the Chinese economy and gradually occupied a place on the world stage. At the same time, it also promoted the cultural integration of all countries in the world. The aesthetic quality of Chinese people is increasing[1], and the traditional decorative elements have become the representative of Chinese traditional culture and have entered people's lives. The strong Chinese style conveys the Chinese flavor to the outside world[2]. The traditional decorative elements are used as the representative of Chinese elements in interior design, which is very charming and meaningful[3].

1. Chinese decorative element

1.1. The meaning of chinese decorative elements

Chinese traditional decorative elements are used in many fields in modern design. The decoration here refers to the abstraction of the physical objects, which is used to decorate the real objects. The interior decoration can play the role of interior design and beautification. Ornaments with traditional decorative elements can highlight the charm of Chinese elements, and can also reflect the Chinese...
people's spiritual consciousness through visuals. The Chinese nation has undergone thousands of years of historical precipitation. The accumulated culture is expressed and transmitted through traditional Chinese cultural elements. With the development of economic globalization and the popularity of new classicism, the essence of Chinese culture has been further developed and gradually extended to modern life. Interior decoration design comes from the interior environment. In terms of material and spiritual impact on people, as well as human visual and psychological interaction, and in two-way communication. In order to create artistic atmosphere and artistic conception in interior decoration design, it is necessary to endow the interior with spatial significance. Symbolic means emerge as the times require. All kinds of elements, construction and style of interior design are treated as symbols. There are corresponding influence factors between traditional decorative elements and indoor environment. The influence of Chinese elements on interior decorative design is mainly reflected in whether human aesthetics and cognition of the structure of things can create an elegant and comfortable artistic atmosphere and the expression and construction of the overall indoor cultural atmosphere.

1.2. Types of Chinese decorative elements

There are two types of Chinese decorative elements, one is the traditional decorative element containing the Chinese spirit, and the other is the modern decorative element with the atmosphere of the times. It exists in the form of physical objects, but it can reflect the abstract meaning, with inner and External two collections. The traditional decorative elements are an important component of Chinese decorative culture. The artistic expressions focus on Chinese culture and show the Chinese characteristics to the outside world. The use of traditional decorative elements in the interior design not only gives the interior a unique style, but also a sense of dignity, but also reflects the natural beauty. The application of traditional decorative elements in doors, windows, furniture, partitions, etc. is more in line with the overall layout, thus reflecting people's good hopes. The application of modern decorative elements to interior design is the expression of modern technology, which is more in line with the increasing aesthetic standards.

2. Application of Chinese decorative elements in interior design

2.1. Chinese decorative elements cater to the trend of “light decoration and heavy decoration”

Chinese culture has a long history and has been tempered by different ideas to this day. The most representative of China is Buddhism, Taoism, and Confucianism. Each religion has its own characteristics and has a profound influence on Chinese culture. After thousands of years of development, China has different interior design methods at different times. The traditional interior design often uses some quaint furniture and exquisite carvings. This decoration is also followed by the fashion steps of “light decoration and heavy decoration”, and it is also a simple and natural performance.

Chinese elements in the design mainly use the following techniques. First, simplicity, abstraction and simplicity. Chinese culture pays special attention to the manifestation of interior decoration elements. Generally, it uses simple and plain, natural and true aesthetic ideas with quality as beauty. This technique mainly refines and abstracts the whole or part of traditional forms, and mainly combines modern functions and technology. And it has been continued and developed. Second, the collage of symbols. This technique mainly abstracts and transforms the traditional components we are familiar with, making them symbols of some typical or symbolic meanings, and collages them in indoor elements to obtain a certain connection between old and new, ancient and modern. Third, transplantation and grafting. Confucianism, Taoism and Zen have a far-reaching impact on Chinese culture. It is necessary to transplant and graft Confucianism, Taoism and Zen into interior decoration design to create a new art form. Modern design needs not only the application of traditional art and culture in all aspects, but also the extension and expansion of traditional interior decoration design with existing technology and technology, which embodies the display art with rich cultural
connotation.

Table 1. The application of modern interior decoration design.

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|---|---|---|
| 1 | simplicity, abstraction and simplicity | it uses simple and plain, natural and true aesthetic ideas with quality as beauty. This technique mainly refines and abstracts the whole or part of traditional forms, and mainly combines modern functions and technology. |
| 2 | collage of symbols | collages them in indoor elements to obtain a certain connection between old and new, ancient and modern. |
| 3 | transplantation and grafting | It is necessary to transplant and graft Confucianism, Taoism and Zen into interior decoration design to create a new art form. |

2.2. Using chinese decorative elements to make the interior space spacious and flat
The application of traditional patterns on walls, murals, and partitions. The decorative patterns of the interior walls have a holistic application and a partial design. The use of murals in the design of public spaces can highlight the Chinese style. Applying Chinese-style patterns or traditional decorations to modern designs, combined with patterns such as wood carvings and crepe patterns, can give a sense of solemnity and atmosphere. The use of partitions in interior design is a very good choice. It can play a semi-physical space design, changing the original sense of space, making the space look more reasonable and the decorative effect is very beautiful. In terms of the choice of traditional patterns, Chinese people prefer dragon and phoenix patterns, and their traditional beautiful meanings and color combinations are more in line with Chinese style, and with Chinese calligraphy or scenery, it has more charm. The flat partitions are equipped with ice cracks or checkered patterns to highlight the three-dimensional visual effect.

Chinese decorative elements are used in the design of interior furnishings. Chinese people, paying attention to the "harmony between man and nature", there will be a complex and orderly feeling in the traditional Chinese graphic design, which is more widely used in the design of furniture. The choice of patterns in the design of Chinese furniture and handicrafts is generally plant or animal, mostly used in fabrics or murals, indoor ceilings as the sky, plus decoration with animals or plants, animals, plants and people in a space, in line with humans. The metaphor of living in natural space. The application of traditional patterns in various furniture adds to the Chinese charm. Phoenix bird patterns, plant flowers and grass patterns are also used in the decoration of furniture. It is also involved in the decoration of appliances. It must be said that in interior design. The application of traditional patterns must take into account people's psychological feelings. Therefore, the design of the space must be considered when designing the decoration. The Chinese charm is conveyed in the form of physical objects through traditional patterns, and the color matching must also be reasonable.

(3) Chinese decorative elements are used in modern interior design. In modern interior decoration design, traditional decorative elements must be properly matched when applied, otherwise it will give people a very disharmonious feeling. Therefore, it is necessary to master the matching rules of interior design elements and apply them reasonably. When designing the design elements, the design prototype should be the main one, and the material should also conform to the overall design temperament to set off the colorful historical culture. Modern interior design has been integrated with many modern decorations, although the traditional decorative elements are applied, but it can not stop its strong modern atmosphere. In general, modern interior design should not only use traditional decorative patterns reasonably, but also consider the material, color, and overall space design. For example, the pattern of butterflies can give a natural feeling in the corner of the cabinet or on the TV wall of the living room, adding a sense of agility. In addition, butterflies also have rich meanings, especially when their shapes are open wings, they can give people a vibrant feeling and express people's yearning for and pursuit of a better life.

3. Conclusion
After five thousand years of historical precipitation, Chinese decorative elements have important aesthetic significance in interior design. In modern interior design, traditional Chinese decorative elements not only make the design style unique, but also add cultural atmosphere, which can reflect the solemnity of modern aesthetics and enhance the overall interior decoration taste. With twists and turns, the traditional culture of a nation cannot be ignored or forgotten. As a cultural force, art design is inseparable from national culture. They are mutually integrated and reflect each other, and the integration of computer virtual reality technology with traditional design is an unstoppable development trend. In modern society, interior design should strive to combine traditional elements and symbols with scientific and technological civilization through modern science and technology to create an environment suitable for modern people to live in, achieve scene integration, and reproduce traditional cultural and artistic concepts. The development of the times has put forward more viewpoints and directions for interior decoration design. Whether now or in the future, the use of Chinese elements and symbols will become one of the important elements of interior design. Nowadays, the use of classical symbols and elements in interior decoration design is very popular in China. Among them, there are many design creations using Chinese classical elements. As an important part of a profound humanistic tradition, Chinese decorative elements accumulated and precipitated for thousands of years have been continuously developed for thousands of years due to the close connection with social life. Interior designers should have a higher level of cultural pursuit to better integrate Chinese elements into interior design, rediscover and inherit the essence of Chinese national culture, and continue our lives.

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