

Research on Architectural Environmental Art Design from the Perspective of Local Elements

Mei Liu*

*Design department, Guangdong Jimei Design Engineering Co., Ltd, Guangzhou, China
xiaonuo198507@163.com
Corresponding author

Keywords: Local Factor, Building Environment, Art Design

Abstract: In architecture, the landscape factor is a crucial part, which can not only make the building reflect higher spatial functions, but also complete the reasonable connection of various components of the building. Therefore, the landscape art design specialty is also an indispensable element in architecture. Based on this, this paper takes landscape aesthetics and architecture as the scope of discussion, and discusses the application of environmental art in architectural design, in order to better integrate the two and create more buildings in line with the development of the times.

1. Introduction

With the current economic and social development of China, the requirements for architectural art are also increasing. Modern architectural engineering is not only the design of architectural functions, but also the artistic expression of architectural engineering. In modern architectural design, the application of architectural engineering environmental art design is very important. It is a re innovation of modern architectural ideas, and a combined design of modern urban landscape and architectural environment. In architectural activities, we must carry out a comprehensive design of the environmental art of architectural engineering according to the requirements of modern architecture, so as to make the surrounding environment of architectural engineering more reasonable, so as to further improve its architectural function and improve the overall aesthetic effect of architectural engineering.

2. Brief Introduction to the Concept of Environmental Art Design

2.1. Related Concepts

Environmental art design major is a high-end architectural design major that has grown up in China in recent years. It focuses on the expression of environmental atmosphere and also shows some connotation in the setting of artistic content. However, as a relatively abstract art concept, the major of environmental art design lacks a complete aesthetic concept to elaborate the specific concept of natural environmental art. Therefore, the overall aesthetic concept of natural environmental art design has become an abstract aesthetic concept that can only be understood and

cannot be expressed. The aesthetics of the same artistic conception may have different emotional effects on different audiences. But it is certain that building a good environmental art with mass aesthetics will be recognized by most people in society. That is to say, although there are great differences in personal aesthetics, the general direction of mass aesthetics is the same, which has laid a good mass aesthetic foundation for the environmental protection art design major under construction. Although a unified concept has not been formed in the professional field of environmental protection art and design, some of its principles have long been recognized among environmental protection artists in the development process of environmental protection art and design, that is, the creation of environmental protection art is good at creating through the environment, and it contains a "theme", which can silently convey a beautiful image and atmosphere, and is easy to arouse the spiritual resonance of the viewer, And thus formed a higher level of spiritual aesthetic experience. Although the space is limited, the imagination space left by environmental protection art is endless [1].

2.2. Analysis of Environmental Art Design

Environmental art design major is a new architectural design method, which focuses on the overall design of the building environment from the space landscape art, so as to improve the artistic quality of the building. As a comprehensive architectural design method, the major of modern environmental art design focuses on the application of modern environmental psychology, architectural art design thought, spatial landscape ecological theory, architectural environmental behavior and artistic thought, and thus further enhances the integrity of the major of modern environmental art design. And the central content of modern environmental art design major is to use the space landscape art of architecture to realize people's artistic expression of the architectural environment. In the actual practice of architectural design, the major of environmental art design has carried out the overall optimization of the major of architectural environmental art design mainly according to its architectural function form design, architectural space layout scheme and style design, so as to make the architectural design environment more scientific and reasonable, and also help to improve the overall quality of the building. By using the specialty of architectural environment art design, we can also realize the main application of architectural art design, so as to make the architectural environment more beautiful, more reasonable and more environmentally friendly [2-3].

3. The Expression of Environmental Art Design in Architectural Design

Environmental art design has been widely used in architecture. It can use the structural changes of buildings to realize people's expression of their architectural design ideals, and then achieve the comprehensive application design of the building environment. First, the application of environmental art design in architecture is directly reflected in the overall layout of the building [4-6]. The major of environmental art design is the overall planning of buildings, which is an integral spatial effect. In the process of its architectural design, the first is to carry out the overall scheme design of the building structure, involving the design of the main form of the building, the design of the architectural style and the reconstruction design of the surrounding environment. Finally, through the overall scheme design and analysis, the overall design of the overall spatial structure of the building is realized, so that the overall building structure is more scientific and reasonable. In addition, when building users and building viewers watch buildings, they first observe and analyze the overall style and features of buildings and their morphological characteristics. Therefore, in the actual construction process, through the design and application of its overall style, the architectural effect can be improved to the greatest extent, so as to make the

comprehensive application of its architecture more scientific and reasonable, so as to improve the architectural quality to the greatest extent. Secondly, the application of environmental art design in architecture is embodied as the spatial image design of buildings. In the current engineering design, the spatial image design of architecture, as a very key design project, has caused a great impact on the development of Chinese architecture, and in the specific architectural spatial structure design activities, the focus is to study the size, balance, coordination and functional relationship of architectural spatial structure. In addition, it can also carry out comprehensive design of building structures. The treatment of walls, floors, ceilings, partitions, etc. has been completed. From the artistic expression of architectural space layout, we can see the overall application of architecture [7].

4. Application of Environmental Art Design in Architectural Design

Environmental art design is a key course of architecture at present, which plays a great role in architecture and affects the benefits of architecture to a certain extent. Therefore, in the specific architectural environment, we must pay attention to grasp the essentials of environmental art design and improve the beauty and artistry of the building [8].

4.1. Analysis of Principles of Environmental Art Design

The application of environmental art design specialty in modern architecture is very important, which has a critical impact on the benefits of modern architecture, and improves the architectural benefits to a certain extent. However, in the process of practical architectural design, we must pay attention to the principle of scientific control and improve the benefits of environmental art design specialty. The following is an analysis of the theory of environmental art design and the basic principles of architectural art design, which makes its design more reasonable and helps to improve the effect of architectural design [9].

In the process of applying modern environmental art design to real buildings, we must emphasize the rational application of environmental safety principles. In the real construction process, environmental safety design has become the most important design focus, which makes the engineering environmental design more reasonable. Moreover, from the perspective of building application, in order to ensure the safety of the environment of the house, it is necessary to ensure the safety of the users of the house. In a word, safety design is the application premise of modern environmental art design in architecture [10]. Therefore, all modern environmental art design majors must consider environmental safety and improve their design efficiency. In the practical application of environmental art design, we must emphasize the application of the principle of environmental rationality. In the process of modern architectural design, we must carry out the artistic design of architectural environment from the perspective of science and technology, and design the advanced architectural environment based on the design idea of modern science and technology, so as to make the artistic design of architectural environment more scientific and reasonable, and also improve the design quality of advanced architectural environmental protection engineering to the greatest extent.

4.2. Apply Environmental Art Design to Complete Aesthetic Design

In specific architectural engineering, it is very important to use the professional knowledge of environmental art design to design the aesthetic of architecture, which can maximize the visual effect of architecture. In the professional courses of landscape art design, the use of aesthetic design can also improve the external display effect of architecture.

(1) In the construction process, the art design of mobile value-added services needs to complete the art design according to the external conditions, so as to carry out the overall art design application of architectural design, which can greatly improve the efficiency of architectural art engineering design. For example, in the actual external condition architectural design process, we must carry out the overall comprehensive engineering design of the architectural design according to the external conditions around the architectural design, so as to make the overall architectural design more scientific and reasonable, which can greatly improve the efficiency of architectural design. In the process of building external environment, we must design the internal integrated system of the building to improve the effect of architectural design to a large extent. To ensure a more reasonable housing structure.

(2) In the design of building environmental art and the integration of building and indoor environmental art, in order to achieve the design of the overall aesthetic performance of the building. The interior design of architecture is the key part of architecture, which is directly related to the benefits of architecture. At the same time, it can greatly improve the benefits and quality of architectural art design. In the real process of architectural art design, it mainly realizes the comprehensive control of the architectural environment through the comprehensive design and application of architectural art, which makes its architectural design and application more reasonable.

5. Control Points of Environmental Art Design in Architectural Design

The combination of architecture and landscape art design must fully consider various environmental factors, social influences and humanistic elements, rather than simply integrate them. The cultural content it expresses must also have considerable depth and breadth, and must fully meet the needs of local people. In the specific product design, we need to pay attention to the following aspects.

5.1. Do a Good Job in the Control and Use of Modern Science And Technology

Environmental protection art and design can achieve such rapid development in modern China and be accepted by the international market. Among the factors, in addition to the progress of the people brought about by national development, the development of modern science and technology has also brought about the design of environmental protection art works, and perfect production is a very negative factor. Modern urban environment and art design are the perfect integration of art and science and technology. Between a large number of delicate and complex tasks, urban planning, architecture, environmental artistic conception design, interior decoration and many other factors are coordinated. At the same time, the unity of urban function and aesthetic value must be taken into account.

5.2. Architecture and Landscape Art Design Should Emphasize the Macro Aesthetic Unity

Aesthetic unity is the inevitable foundation for the formation of macro ecological aesthetic consciousness. Through the unity of formal beauty, we should lay a good environmental foundation for environmental aesthetics. In the composition of formal beauty, we must show certain basic laws and commonalities, including the law of structural change and the law of color change, and we should grasp the regularity in all aspects, such as melody structure, scale of proportion and balance differential. Take the decoration of ordinary street billboards as an example. If the billboards of each street are decorated according to their own characteristics, the whole street will give people a chaotic impression, and there is no unified aesthetic.

5.3. Pursue the Diversity of Design Styles in Details

The limitation of formal beauty determines the general trend of environmental protection design to some extent, but in the specific details of product design, environmental protection designers can still give play to their own creative style and express their own personalized requirements, which also conforms to the basic argument of equal rights in modern society. In the case of setting the tone of the macro environment, personalized product designers need to approach the overall design theme from the general direction, and can give free play to the details. Therefore, product designers must fully consider the correlation between the two, which is a high requirement for product designers.

5.4. In the Design of Environmental Aesthetics, it Emphasizes the Design of Humanistic Content

Artistic conception is a category of art form, and its beauty is more internal beauty. The beauty of connotation can make the viewer stay longer and have cultural connotation than the beauty of external form. Chinese culture has a deep and comprehensive control over the internal beauty, so it integrates the connotation characteristics of Chinese traditional culture into the design of environmental artistic conception, which is the unique advantage of Chinese environmental art design. Because of the profound cultural foundation of the Chinese nation, Chinese designers should also be more confident and confident in the design of environmental art. Therefore, in the design of environmental art works, Chinese designers must give full play to the advantages of national culture and show their own artistic advantages, which is also in order to comply with the overall requirements of the construction planning of Chinese national cultural industry.

6. Micro design of Architectural Design and Indoor Environmental Art

6.1. Design Characteristics and Advantages of Indoor Environmental Art

Interior art design major and architectural interior and exterior environment art design are mutually exterior and interior. The two have inevitable interaction and mutually based nature. Therefore, some people also believe that interior and exterior architectural design and interior decoration are actually the difference between primary design and secondary design, and the two are likely to be carried out synchronously in architecture. In terms of architectural design characteristics, although the interior art design major is inferior to the indoor and outdoor macro architectural design in terms of visual stimulation, the indoor environmental art of architecture has the greatest connection with the life of citizens, so it can also affect the living conditions and spiritual outlook of citizens, which must be paid special attention to in this regard. Chinese traditional culture attaches great importance to interior design, so the unique resources in these aspects put forward a high starting point for the major of Chinese interior art design, such as "there are paintings in poetry, there are poems in pictures", "meaning is the pen first, interest is outside the law", "step by step, step by step, move with the scene", and so on, which are a high summary of the connotation of "only meaning, not words". In China's interior decoration industry, we must first meet the spiritual and physiological needs of consumers on a simple basis; Then in the cultural spirit, the middle-level design absorbs the essence of Chinese tradition and local culture and art, and creates a living environment with artistic characteristics; Finally, it will arouse people's resonance at a high level of cultural spirit, stimulate their thoughts, and realize the true meaning of life, so as to realize the most high-end interior art design major.

6.2. Integration Strategy of Architectural Design and Indoor Environmental Art

In order to achieve the effect of micro environmental art design, artists and users can choose to design together. First of all, users need to clarify their own needs and emotional requirements. Artists must enter the aesthetic stage, make planning and design for the surrounding space from an aesthetic perspective, stimulate their creative thinking, and determine the general direction of product design. Secondly, encourage users to guess the artistic intention of the designer, make sure that there is no big deviation between the two sides in the content of micro design, and ensure that users can understand the original intention of art at a certain level, so as to realize the true value of the work. Of course, in this stage, users can also fully express their emotional ups and downs after viewing, or tell their own life experience, so as to drive designers to make changes that are more suitable for users. Further, the environmental art in the small area can be built into the exclusive space of users, which can also enhance the service and integration of users.

6.3. Specific Research Methods of Architectural Means and Environmental Art

In the artistic design of the indoor environment of buildings, we should fully design the shape, size, light environment, color, materials and other aspects of the space, and the specific control can be implemented in the following ways: first, regard the shape and size of the space as the most basic factors, and comprehensively consider and affect its emotional changes and spiritual impact on people; Next, we should pay attention to the shaping of the light environment, and improve the indoor environment atmosphere and increase the sense of spatial artistic conception by creating different light and shade, light and shadow and other morphological effects; Another is color regulation, which not only depends on the artistic needs of space, but also on the specific feelings of users about different colors of the environment; The most important thing is to carry out the management of indoor space environmental materials, focusing on the comprehensive application of material quality. For example, under the theme of nature, we need to use more traditional wood and stone, and try to use less modern synthetic materials and metals; Finally, in order to improve the value and taste of culture and art, space can be reserved in the specific design for users to decorate themselves.

7. Application of Environmental Art in Architectural Design

7.1. Improve the Awareness of Environmental Protection and Increase the Utilization Rate of Environmental Energy

In today's society, protecting the environment has become the primary task of people. In carrying out innovation, every architectural designer must enhance their awareness of environmental safety, actively master advanced processes and environmental protection methods, produce green and economical building materials, and improve the utilization of environmental resources, so as to achieve the environmental protection and sustainable development of the building materials industry.

7.2. Adhere to the People-Oriented Design Concept

The purpose of environmental protection architectural design is to make human beings have a good living, living, working and entertainment environment. Therefore, when carrying out architectural design, we must consider environmental factors and implement the people-oriented architectural design purpose, so as to meet the diversified requirements of human beings for

survival and achieve the purpose of human green survival and environmental life. When designing the environment, we should not only see the external beauty of the building, but also increase the content of humanistic care to ensure people's health and safety. When designing, we should fully consider many factors, including safety performance, cost performance, etc. we should not only strengthen ecological protection, but also meet people's actual needs to the greatest extent.

7.3. Using Natural and Environmental Protection Building Materials

In engineering design, the architectural design department should give priority to the use of energy-saving and environmental friendly building materials, which not only conforms to the trend of the times, but also can better protect people's health. How to use natural and environmental protection building materials also puts forward high requirements for designers. First of all, designers should fully understand the characteristics of these building materials and their structure and performance. Secondly, designers should know how to use these materials scientifically and effectively to avoid threats to people's health on the premise of achieving the purpose of environmental protection. Finally, construction companies must control the quality and understand the production and processing methods of building materials, so as to achieve the purpose of protecting the environment and ensuring people's health.

8. Conclusion

The integrated design of architectural art and environmental aesthetics is the higher demand of modern citizens for the living environment. Therefore, high-end and high-quality architectural design will occupy a broader market in the future. However, whether from the perspective of economy or the mission of the times, all architectural designers need to further accumulate experience to improve the quality of architectural design, so as to meet the requirements of modern social development and provide a better living space for the public.

References

- [1] Li Danfeng. *Application practice of environmental art design in architectural design [J]. Bulk cement*, 2022 (03): 178-180.
- [2] Liu Fang, Peng Zheng. *Chinese traditional architectural decoration morphemes and modern environmental art design [J]. Ceramics*, 2022 (06): 133-135.
- [3] Cui Haodong. *Research on the application of Chinese traditional architectural decoration morphemes in modern environmental art design [J]. Industrial architecture*, 2022, 52 (04): 314-315.
- [4] Ruan Fengbin. *Exploration on the current situation and development of architectural indoor environmental art design [J]. Footwear technology and design*, 2022, 2 (04): 129-131.
- [5] Wang Yu. *Research on environmental art design of architectural landscape [J]. Grand View of art*, 2022 (06): 64-66.
- [6] Zhang Tieli. *Research on Teaching Strategies of landscape design course for environmental art design specialty [J]. Art education*, 2022 (02): 200-203.
- [7] He Maobi. *Current situation and development of architectural interior environmental art design under the background of ecological civilization [J]. Footwear technology and design*, 2021, 1 (24): 122-124.
- [8] Xing Rong. *Research on the application of Chinese traditional architectural decoration morphemes in modern environmental art design [J]. Tiangong*, 2021 (12): 126-128.
- [9] Jiao Chunpu. *Expression and application of environmental art design in architectural design [J]. Green building materials*, 2021 (11): 56-57.
- [10] Liu Fengmei, Li Meng. *This paper discusses the application of humanized design in the art design of indoor environment [J]. Tomorrow fashion*, 2021 (21): 131-133.