

## Discussion on the Application of Regional Culture in Environmental Design

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**Abstract:** Full understanding of the environment itself is propitious to improve the level of design in environmental art design. The understanding thinking of regional environment should be the same as that of the whole artistic design, and an effective understanding of the environment itself should be achieved. Only in this way can more excellent works be designed. At the same time, a very ideal design effect can be achieved in combination with the environment itself. For environmental art design, if we want to design better, we need to analyze the design thinking in a deeper level and increase the understanding of regional culture, so that relevant designers can more fully inherit and develop regional differentiation. Therefore, in view of the characteristics of regional culture and the influence factors of environmental design, this paper puts forward specific measures for the development and inheritance of environmental art design in the process of regional differentiation.

### 1. Introduction

After China's reform and opening up, the study of regional environment has gradually formed a certain theoretical system at this stage. Environmental design, under the background of regional culture, has become the key and focus of environmental design. With the continuous improvement of the level of communication and the development of the means of transportation in our country, cultures of different regions also have more and more common points. In order to solve that how to better apply regional culture to the design of environmental art, it is essential to start with the history of regional culture, and the reality of environment as well through the characteristics of regional culture to create a society full of regional characteristics.

### 2. Current Situation of the Application of Regional Culture to Environmental Design

#### 2.1 Problems of Plagiarism and Imitation are more Prominent

In recent years, with the rapid economic development and the continuous progress of science and technology in our country, environmental art design has become more advanced in design and methods. However, China's regional cultural design and environmental art design, with the rapid development of economic globalization and the interaction between cultures around the world, has also brought a certain degree of impact. For example, when designing the environment, a large number of designers fail to realize the importance of regional culture to environmental design very well. Even when designing, they advocate foreign culture and abandon our excellent regional culture. Moreover, they copy and imitate some excellent design works in the actual environmental art design. Some excellent environmental design works have been thoroughly modified into their own works.

Such environmental design works have not been thoroughly analyzed and thought in the whole design process. Generally speaking, these works have their own exquisite features, but they are not the same as the local culture or even nondescript. Such a situation is difficult for us to achieve the goal of innovation and inheritance of regional culture better and also produces heavy impact on the long-term development of environmental art design.

#### 2.2 Insufficient Understanding of Regional Cultural Symbols

Regional culture involves not only knowledge of humanities and history, but also knowledge of

customs and habits of different places. Therefore, it can be said that regional culture contains a wide range of contents. In environmental art design, innovation and inheritance of regional culture require relevant designers not only to have a more in-depth understanding of local culture, but also to have a very high comprehensive quality and a comprehensive understanding and dabbling of knowledge of all aspects.

But most time of environmental art designers are occupied by work in their daily life, seriously lacking time to study. Or because of their own experience, there are certain deviations in their understanding of regional culture<sup>[1]</sup>. In the actual environmental art design, many environmental designers have serious deficiencies in understanding the symbolic elements of regional culture. The impact of regional culture on environmental design can not be well perceived. They just stack some relatively simple regional culture into environmental design in the process of design, which not only makes the innovation of regional culture lose its own significance, but also greatly destroys the aesthetic feeling of environmental art design.

### **3. Impact of Regional Culture on Environmental Design**

#### **3.1 Impact on Environmental Design**

The design perspective of environment usually refers to intuitive phenomenon that people feel environment, such as color, shape and so on. Environmental art design will be directly influenced by regional culture, so it requires intuitive feeling instead of specific elaboration. Although the surface phenomenon of the region is reflected in the form of environmental art design, deepening understanding is inevitable process. The influence of regional culture on the form level of environmental art design includes not only the strengthening of atmosphere, but also better integration of emotional factors. Under the influence of this regional culture, if we want to better implement environmental art design, then we need to further deepen the understanding of regional culture-related knowledge.

#### **3.2 Impact on the Connotation of Environmental Design**

The frame structure and main elements in the process of design are the connotation of environmental art design. The essential content of design symbols is displayed through the environmental art of frame structure and functional application. The connotation of environmental art design is influenced by regional culture, mainly covering the content and form of environmental art design. People form their fixed impression in regional culture and realize the integration of spiritual connotation and material essence. The connotation of environmental art design is influenced by three aspects, that are regional form, structure and connotation of frame, and regional culture. Therefore, from the perspective of environment, if we want to do a better job in environmental art design, we need to pay more attention to the study of regional culture and give more design inspiration to environmental art design.

#### **3.3 Impact on Environmental Design**

Under the background of regional culture, environmental art design is a full integration of spiritual culture and material culture, which is seriously affected by regional culture. In the actual process of environmental art design, the regional environment and social human factors are closely combined, and corresponding social attributes are given and designed in the process of environmental art design. Through this process, a good integration of environmental art design and deep development of regional culture can be achieved.

### **4. Specific Application of Regional Culture**

#### **4.1 Apply to Indoor Space**

If we want to effectively apply regional culture to indoor space, we need to divide the space twice for the first time. According to different spatial functions, we can clearly show the

characteristics of regional culture through simulation analysis. But because the architecture system in our country is very complex in structure and there are many elements that can be used in it, when it is necessary to apply to space, we can use the reconstruction method to redesign the shape of gate building and beam-column components.

The application of regional culture in interior design can not only effectively differentiate space, but also highlight certain regional characteristics, so that the regionality and function of the whole interior space can be integrated.

Architectural design is easy to be affected by climatic conditions because of the wide regional distribution in China, so it is necessary for designers to learn to design according to local conditions. Especially in relatively cold areas, design is required to ensure it meets the double-layer requirements of winter and summer insulation. In designing doors and windows, it is essential to not only improve the effect of indoor lighting, but also to take full account of the problems of cold resistance and warmth preservation, so as to improve indoor temperature and reduce energy consumption better.

In some areas with hot summer and cold winter, while improving sunshine efficiency and daylighting efficiency, designers are supposed to fully ensure that the enclosure structure has the function of heat insulation and cold prevention. The indoor ventilation conditions also need to be effectively guaranteed. If the design of doors and windows is located in the south, then the actual design also needs to consider the effectiveness of shading, and make constantly strengthening, in order to better avoid solar radiation and achieve ventilation and insulation. When the enclosure structure is selected, if it is in a area with relatively mild climate, it should be the material of storage performance which can not only absorb heat effectively during the day, but also release heat at night. In this way, the formation of environmental protection can be improved on the whole to a large extent.

#### **4.2 Apply to Interface Decoration**

The use of regional symbol culture in interior space design can not only foil the whole interior culture, but also enhance the overall visual effect. The combination of the original decorative patterns and architectural structures in an Abstract way enriches the artistic features and styles of interior decoration, as well as the design style of regional environmental art, to a certain extent showing the simple national flavor.

As the sublimation of characters, it is expected to have the communication function that characters must possess. Through related calligraphy works, writers' emotions and self-consciousness are gradually integrated into the whole calligraphy works, so as to effectively reflect the artistic connotation and ideological feelings of the whole work as well as effectively strengthen the relationship between words and emotions.

In the design of interface, if a supplementation is to made in the content, then relevant designers also need to supplement the image theme and calligraphy font. This can further highlight the artistic conception of the scene, to a large extent make people feel more deeply, and let the ideological situation reflected in the scene be felt by people more in-depth.

#### **4.3 Apply to Materials**

For modern architecture, many construction projects take reinforced concrete as the main body, which shows modern atmosphere to a large extent, but the regional characteristics of the building are gradually losing. Ancient buildings in different regions express their civilization, development and changes through different building materials. For example, suspension buildings of the Dai people in the minority nationalities of our country are generally constructed with straw and bamboo slices, while most of the earth buildings in Hakka are constructed with materials such as mountain wood and yellow wood.

These building materials are obtained in nature, and will eventually return to nature, so to a large extent, it realizes the ecological cycle, and avoid damage to natural resources. Through this kind of design, which selects materials according to local situation, not only effectively promotes the harmonious development between man and nature, but also closely integrate the local natural

environment and buildings, which greatly avoids over-exploitation of the natural environment. This situation also better protects the environment people live in.

At this stage, in a society with reinforced concrete structures everywhere, the harmonious development of man and nature can not only make people escape from the depression of city, but also better enable people to return to nature in a short period of time through continuous and effective maintenance. In actual construction, through special treatment of materials, people will have different feelings. For example, stainless steel makes people feel cold, while wood makes people feel safe and steady.

In present society, in which science and technology are very developed, spatial migration of building materials can be promoted by modern science and technology and make people always feel the atmosphere of their hometown when they live in the city. Moreover, some rare timber can be simulated by modern science and technology. This method not only improves the effect of environmental art design, but also avoid over-exploitation of rare timber.

## **5. Conclusion**

From above we can see that the formation of regional culture is a very long process, and regional culture also produces a certain degree of impact on environmental art design. Therefore, in the actual environmental art design, relevant designers are required to pay more attention to the impact of regional culture on environmental design, and at the same time do a good job of related inheritance. Only in this way can the role of regional culture be better played.

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