

Display Tradition, Innovative Design — Regional Culture in the Interior Decoration of the Chinese Museum

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Abstract

With the development of the economy and the improvement of quality of life, people's pursuit of spiritual level is increasingly strengthened. The advancement of globalization and network technology has made cultural exchanges more frequent and poses challenges to local culture. As an important venue for inheriting history and showcasing characteristics, the interior decoration of Chinese museums plays a crucial role in showcasing tradition and innovation. This article aims to explore the embodiment of regional culture and innovative design practices in interior decoration of Chinese museums. By analyzing the functions of museums and the importance of decoration, we reveal the core position of regional culture in decoration. Exploring the embodiment of traditional culture in decoration, emphasizing the value of integrating innovative design with regional culture, and highlighting the importance of museum interior decoration for the inheritance and innovation of regional culture.

Keywords: *Economic Development, Cultural Exchange, Local Culture, Cultural Inheritance.*

INTRODUCTION

With the rapid growth of the global economy and the continuous strengthening of cultural interaction, people's pursuit of the spiritual and cultural level has become increasingly obvious. In the era of globalization and network technology, cross-cultural information exchange and the dissemination of values have become a part of our daily life, which has also brought profound influence and new challenges to the local culture of various countries. In this context, it is particularly critical to accurately assess the role of culture, and to value and maintain the value and continuity of local culture. This study focuses to analyzing the dynamics of cultural evolution and its challenges in the context of economic growth, and exploring how to strengthen the recognition and inheritance of culture, aiming to provide theoretical and practical guidance for maintaining and promoting the sustainable development of local culture.

REGIONAL CULTURE IN THE INTERIOR DECORATION OF THE CHINESE MUSEUM

The Importance of Regional Culture In Museums

Regional culture is a concept that specifically refers to a certain geographical area in the cultural field, and it is a collection of material and spiritual wealth created by the residents of the area through labor. This culture not only reflects the natural environmental characteristics of the region, such as history, terrain, climate and ecology, but also contains social and cultural characteristics, and is passed on in the form of cultural signs and customs. The study of regional culture requires a deep understanding of the historical and cultural background of the region, and considers the geographical and social factors (hen Yanhua, 2024) . A comprehensive exploration of regional cultures in different regions is helpful to deeply grasp their essence and characteristics, and provide reference and support for cultural inheritance and innovation (Wang Zhiping.2022). Therefore, museums should integrate local characteristics when arranging exhibitions, formulate exhibition plans in line with their own development and regional characteristics, and create exhibitions with unique themes, so that the exhibits and decorative styles can match with the theme, so as to attract tourists as shown in Figure 1.

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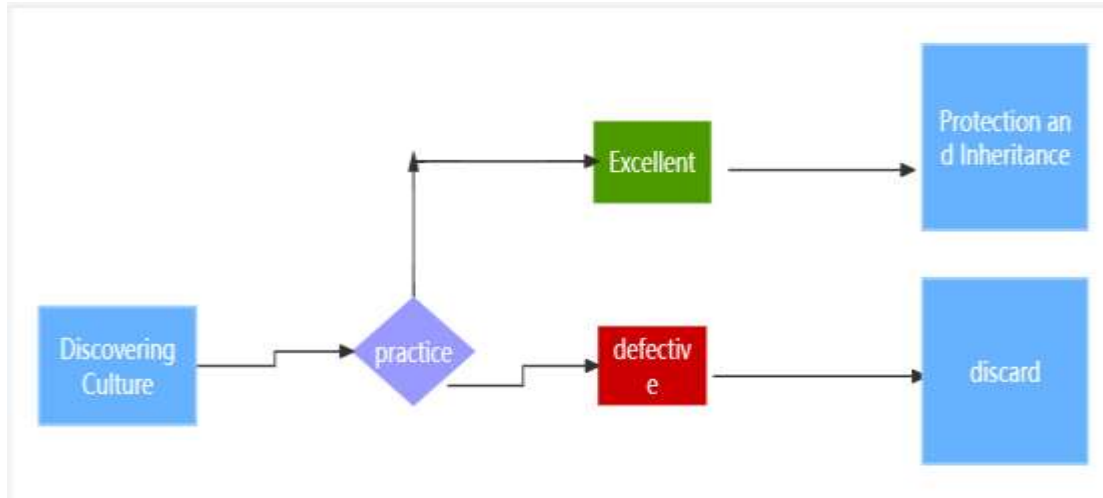


Figure 1. The protection process of regional culture.

The Role of Regional Culture in Museums

Regional culture plays a very important role in museum exhibitions and education. It shows the cultural diversity and helps the audience to have a deeper understanding of the history and traditions of specific regions and social groups. The uniqueness of regional culture strengthens the sense of identity of local people and stimulates the sense of pride and protection of the local cultural heritage (Li Huiling.2021). As educational places, museums use regional cultural resources to carry out various educational activities, which plays an irreplaceable role in cultivating the cultural consciousness and sense of identity of the public, especially the younger generation. Regional cultural exhibitions in museums have significant effects, which can attract tourists, promote cultural exchanges, and increase tourism income, thus indirectly promoting the development of local economy. Museums play a vital role in the cultural inheritance (Xie Yitian.2020). Through the collection, research and display of regional culture, they have laid a solid foundation for the protection of the traditional cultural heritage facing the challenges of modernization. The exhibition of regional culture provides rich research materials for the academic fields such as history, sociology and cultural research, making museums an important place for academic research. In addition, the traditional knowledge and art forms contained in regional culture can help inspire modern creators and promote the prosperity and development of creative industries (Chai Chunxin.2021). As shown in Figure 2 and Table 1

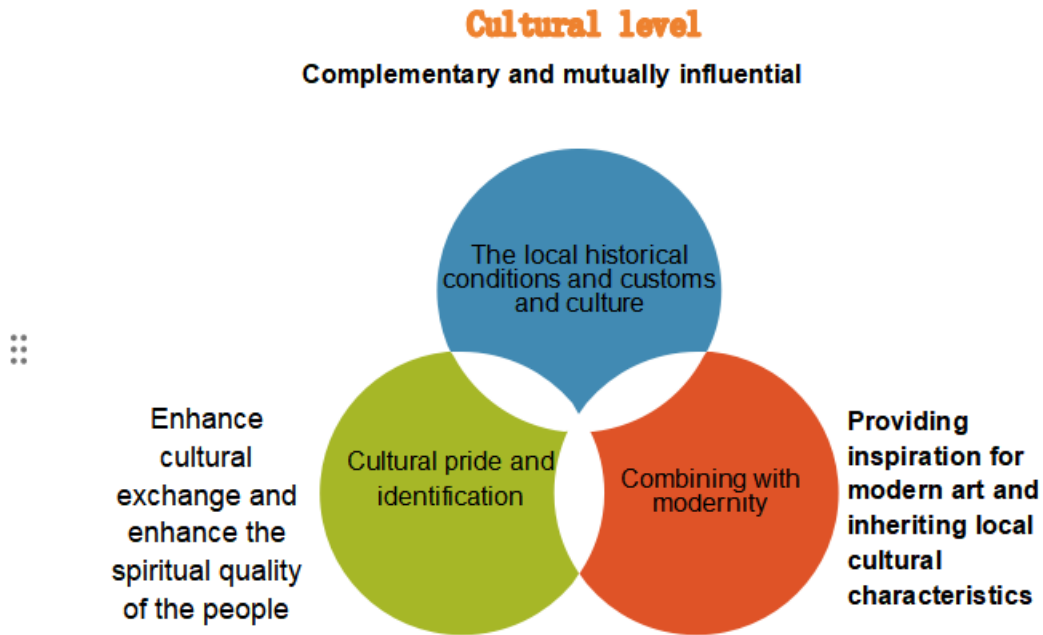


Figure 2. Cultural composition of the museum.

Table 1. Status of regional culture.

The role of regional culture in museums	Embodiment
Cultural diversity display	The regional culture exhibition shows the diversity and richness of culture and helps the audience to understand the history and traditions of different regions and social groups.
A stronger sense of identity	The uniqueness of regional culture strengthens the sense of identity of the local people, making them more cherish and inherit the local cultural heritage
Education activities	Museums make use of regional cultural resources to carry out various educational activities to cultivate the cultural awareness and identity of the public, especially the younger generation.
Driven by economic development	Regional cultural exhibition can increase tourism income and indirectly promote the development of local economy.
Cultural heritage protection	By collecting, researching and displaying regional cultures, museums provide the basis for protecting traditional cultural heritages facing modern challenges.

Regional Cultural Elements of the Interior Decoration of the Chinese Museum

Architectural Style and Traditional Craft

The regional cultural elements of the interior decoration of Chinese museums, together with the combination of architectural style and traditional craft, have been vividly displayed in many specific cases (Li Qiaolei.2020). In the national Palace Museum, for example, its architectural style bearing the typical characteristics of the Ming and Qing dynasties palace architecture, such as yellow glazed tile, red gold tile, cornices, etc., at the same time, using the traditional craft such as court brocade, palace brick, court woodcarving, the past culture and historical events, shows the rich connotation of Chinese traditional culture. On the other hand, Sichuan Museum takes the architectural style of Bashu culture and regional cultural elements with its characteristics as an example. Through traditional techniques such as Sichuan embroidery, Shu brocade and Sichuan Opera, Sichuan Museum makes the history, geography and folk customs of western Sichuan vividly displayed, presenting the unique charm of Bashu culture to the audience (le li.2020). These specific cases fully show the clever combination of regional cultural elements, architectural style and traditional craft in the interior decoration of Chinese

museums, and provide rich practical examples and enlightenment for the inheritance and development of regional culture.

As shown in Table 2

Table 2. Museum style comparison.

Museum name	Regional elements	cultural	architectural style	traditional handicraft	Effect display
the Palace Museum	Ming and Qing court culture		The Ming and Qing dynasties architectural style	Court brocade, palace brick carving, palace wood carving	The architectural style carries the characteristics of the Ming and Qing dynasties. The interior decoration uses traditional crafts to reproduce the cultural and historical events of the past dynasties, and show the rich connotation of the Chinese traditional culture.
Sichuan Museum	Bashu culture		Bashu characteristic architectural style	Sichuan embroidery, Shu brocade, Sichuan Opera facial mask	By integrating the architectural characteristics and regional cultural elements of Bashu culture, and combining the traditional crafts, the unique charm of the history, geography and folk customs of the western Sichuan region is shown.

Regional Characteristics of Cultural Relics Display

Museum display design includes two parts: content design and form design, which are closely linked and indispensable (Huang Xiaoyu.2019). The thought and content of the display should be shown through the form, and the design of the form should also be closely related to the theme of the content. Display design, in the broad sense, covers the overall, content and form of design, while in the narrow sense, it specifically refers to the form of design (Sang Wenjuan.2020). Taking Shanxi Datong Museum as an example, its display design fully integrates social and historical elements, combining the historical stories of the Pingcheng of the Northern Wei Dynasty in Datong with the exhibition hall design, and shows the grand historical background of the Northern Wei Dynasty through copying and magnifying the large pottery ox cart. As shown in Figure 3



Figure 3. Tao ox cart and ancient paintings.

Natural science museums focus on animals, plants, geology, paleontology and anthropology, showing the origin and evolution of ancient creatures (Yang Junqing,2022). Exhibition and exhibitions are usually systematic and sequential. For example, the Liaoning Paleontology Museum combines the mammoth skeleton with the

background, reproducing the scenes of ancient times, so that the audience seems to travel through time and space and return to the ancient world.

As shown in Figure 4



Figure 4. Ancient biological diagram.

Local Art and Crafts of Traditional Design

As a representative of ancient Chinese palace architecture, the Palace Museum integrates a large number of local arts and handicrafts into its interior decoration (Sun Yunke.2019). For example, the brocade craft of the imperial court shows the traditional Chinese silk culture, with bright colors and delicate patterns, often with the imperial palace culture, historical events or myths and legends as the theme, with strong historical and cultural connotations. In addition, the palace wood carving, brick carving and other techniques are often used in interior decoration, through exquisite craftsmanship and unique modeling, showing the ancient craftsmanship and artistic skills of the craftsmen (Cheng Zhenhuan.2019). As shown, the Suzhou Museum integrates local art and crafts into more details of its interior design. For example, the common elements such as stone carvings and brick carvings in Suzhou gardens are skillfully used in the decoration of the exhibition hall, which not only reflects the unique style of Jiangnan gardens, but also creates a unique display environment for the exhibits (Cheng Xuejuan.(2021). In addition, the traditional embroidery art of Suzhou area is also often used in the exhibition scenery, through the exquisite embroidery patterns, for the artistic atmosphere and cultural heritage added to the whole interior space. As shown in Table 3

Table 3. Different manifestations of traditional elements.

Museum name	Local art and craft	Interior decoration elements	The number of use	Representative motifs / themes
the Palace Museum	Court brocade craft	Wall-work, curtains, tapestries	More than 200 pieces	Dragon and phoenix are auspicious, peony wealth, court story
	Court wood carving	Screens, doors and Windows, decorative ornaments	More than 80 pieces	Landscape scenery, flowers, birds, fish and insects, character stories
	Court brick carving	Floor tiles, wall decoration	More than 300 pieces	Auspicious pattern, fu character shou word, palace building
Suzhou Museum	Suzhou stone carving	Exhibition hall entrance, partition, decorative columns	More than 50 pieces	Jiangnan water towns, landscape scenery, traditional stories
	Suzhou brick carving	Wall-wall, background wall, decorative frame	More than 100 pieces	Flowers and plants, poetry and poetry, jiangnan architecture
	Suzhou traditional embroidery	Curtains, tablecloths, and exhibition sets	More than 60	Peony, lotus, goldfish, magpie climb plum

The Form of Regional Culture Displayed in Museums

Known as an important display platform for regional culture, museum architecture carries rich cultural connotations (Liu motto, 2022). Taking Guizhou Museum of Nationalities as an example, its architecture skillfully integrates the traditional elements of Guizhou region, both the use of materials and the collocation of colors, which deeply reflect the local cultural characteristics. Such a design not only makes the museum itself a work of art showing regional culture, but also creates an environment full of regional cultural atmosphere for visitors. In a museum, the layout of the exhibition space is as crucial as the design. Through careful spatial planning, the museum has created a diversified display environment, so that visitors can deeply feel the unique charm of regional culture during the tour. In addition, the museum also provides visitors with an immersive experience by simulating natural landscapes or historical scenes, so that they can travel through time and space and deeply experience the historical charm of regional culture (Cui Ningci.2019).

In order to better display the regional culture, the museum has also made great efforts in the selection and display of exhibits. Through the survey of visitors, the museum can more accurately grasp the needs and interests of the audience, so as to select more representative exhibits, and display the charm of regional culture vividly through innovative display methods. As shown in Figure 5

Figure 5. The museum shows the proportion of regional cultural contribution.

The Expression Form of Regional Culture

Museums can carefully select representative objects for display according to the characteristics of regional culture (Du Shiyu, 2023). These exhibits not only include traditional cultural relics and works of art, but also can include daily necessities, handicrafts, etc., which together constitute a three-dimensional picture scroll of regional culture. Through the story-based display and interactive display, the museum allows visitors to more intuitively understand and feel the uniqueness of the regional culture. The use of colors and materials is also an important aspect of regional culture displayed in museums. Color can trigger people's emotional resonance, while the material can convey the material texture of the regional culture. For example, Guizhou Museum of Nationalities uses a large number of local materials and ethnic characteristic colors in the exhibition space design. These elements not only enhance the visual effect of the exhibition, but also deepen the visitors' understanding of the regional culture of Guizhou. The data are shown in Table 4.

Table 4. Data Table of regional culture display elements and examples of the museum.

Show the elements	Attribute description	Example data
Exhibits selected	Representative items are selected according to the regional cultural characteristics	Traditional cultural relics: 50 pieces Works of art: 30 pieces Daily necessities: 20 pieces Arts and Crafts: 10 pieces
Display way	Story-based display and interactive display	Story-based display exhibition area: 4 Interactive display items: 6 items
Color use	Arouse emotional resonance and reflect regional characteristics	Main colors: red, blue, and yellow Color usage: 30% red, 40% blue, yellow 30%
stock option	Transfer the regional culture and material texture	Local materials: bamboo weaving, clay, stone

THE COMBINATION OF TRADITION AND INNOVATIVE DESIGN

Interpretation of Regional Culture by Innovative Design

The use of regional culture in the interior space design of museums is not simply directly copying the patterns and colors in the regional culture, or simply integrating the architectural symbols with local characteristics into them (Shang Hongjuan, 2023). On the contrary, designers should take the core concept of museum interior space design as the cornerstone, and re-interpret the colors and patterns in regional cultural elements. This includes a deep understanding and inheritance of excellent cultural concepts, combining appropriate cultural elements or innovative cultural elements with design concepts, fully displaying the innovative thinking of designers, so as to promote the innovative development of museum interior space design. In terms of color use, designers need to skillfully adjust the colors in the regional cultural elements, such as adjusting their lightness, purity and saturation, to ensure that the colors are coordinated with the overall environment of the interior design of the museum (Gong Shiyu, 2019). At the same time, we should avoid excessive piling up of regional cultural elements. In the selection of pattern and modeling structure, designers should carry out appropriate innovative deformation to make it more in line with the modern aesthetic and design needs. Taking the National Huizhou Culture Museum as an example, the designer has cleverly integrated the characteristics of Hui-style architecture into the interior design. They selected the common gray and black tiles and white walls used in Hui-style buildings as decorative elements, and appropriately restored the style of Hui-style buildings in the interior space, creating a strong Hui-style cultural atmosphere for visitors. This enables visitors to deeply feel the unique charm of Huizhou culture during the tour. As shown in Figure 6



Figure 6. Features of the Hui-style architecture.

The Integration of Modern Technology and Traditional Elements

AR augmented reality technology integrates the physical information that is difficult to experience by time and space in the real world, through computer and other science and technology, and applies the virtual information to the real world and is perceived by human senses. At present, AR technology has begun to exploratory application to the virtual explanation, exhibits "recovery", "resurrection" exhibition object, such as: museum of Chinese garden "see" yuanmingyuan "digital experience exhibition activities, selected the western floor, aboveboard, diligent virtuous 26 scenic spots, use of modern digital technology to reproduce the overall layout of" the yuanmingyuan ". In the time series analysis, AR model is used to predict future points or analyze the correlation of data points.

AR (1) model (first-order autoregressive model):) (1)

AR (2) model (second-order autoregressive model): (2)

The "3D Ancient Musical Instruments Performance System" launched by Hubei Provincial Museum allows the audience to "contact" the ancient Musical Instruments in a virtual scene, bringing a more intuitive visual experience to the audience. The perspective projection formula is used to project three-dimensional objects onto a two-dimensional screen to achieve augmented reality effects.

(3)

(4)

Among them, is the three-dimensional coordinate of the object, and is the two-dimensional coordinate of the object on the screen, f It is the focal length of the camera.

Internet of Things technology plays multiple roles in museums, involving collection information collection, exhibit location management, exhibition hall environment monitoring, security and audience services and many other aspects, forming a complete set of "monitoring —— evaluation —— early warning —— regulation" protection process. For example, Jinsha Site Museum has established a national environmental monitoring platform for the preservation of cultural relics, which can monitor key indicators such as temperature and humidity, CO2 concentration and ultraviolet intensity in real time. Once the data is abnormal, the system will automatically give early warning, and quickly interpret and analyze the data to ensure the safety of cultural relics. At the same time, Shanghai Museum also actively applied the Internet of Things technology to test more than 200 kinds of collection materials, and formulated the "Collection Materials suitability Grade Table", which realized the standardization and quantitative protection of collections, and further improved the scientificity and precision of the protection work.

Application of New Materials and Crafts in Museums

Soft film ceiling as a kind of ceiling material, with polyrecord ethylene as raw material, high density, tight structure, not only has waterproof, antibacterial, energy saving, environmental protection and high temperature resistance characteristics, or excellent fire prevention material. Its color is adjustable, can be combined with light, create a rich and changeable visual effect, add a dreamy sense to the space. In addition, the soft film ceiling has excellent plasticity, easy installation, good sound insulation effect, for the museum exhibition design has injected new vitality. With the development of technology, China has developed a variety of new soft film smallpox, such as light mask and transparent film, which enrich its color and modeling design and effectively enhance the artistic atmosphere of the museum space. As shown in Table 5

Table 5. Applications of new materials.

Features / Advantage	Description	Applications in museums
raw and processed material	Polytranscription ethylene	Ceiling material, suitable for the museum exhibition design
Density and structure	High density and tight structure	Provide a stable ceiling structure to ensure the safety of the exhibits
Waterproof and antibacterial	With waterproof and antibacterial properties	Protect the museum exhibits from moisture and bacteria
Energy saving and environmental protection	With energy-saving, environmental protection characteristics	In line with the concept of green and sustainable development of the museum
High temperature resistance and fire prevention	High temperature resistant, excellent fire proof materials	Improve the overall safety performance of the museum
Color tunability	It can be combined with lighting to create a rich and changeable visual effect	Create a dreamlike atmosphere for the museum and enhance the visiting experience

The Balance between Tradition and Innovative Design

In the design and decoration process of the museum, embedding local cultural elements can not only highlight the uniqueness of the culture, but also enhance the respect for the local traditional culture, and inherit its moral concepts and spiritual essence. Therefore, the exterior design of the building is crucial, and more energy needs to be invested in shaping its external shape, and endows the building with emotion and story. The design team should actively learn the local culture, have a deep understanding of the local customs and lifestyles of the residents, integrate the sustainable concept into the design, constantly optimize and enhance the internal significance of the building, highlight the local cultural characteristics, and enhance its artistic value.

CONCLUSION

It is not only the inheritance and promotion of traditional culture, but also the expansion and deepening of modern design concept. Through the clever use of regional cultural elements, the interior decoration of the museum not only shows the massiness and charm of culture, but also reflects the innovation and vitality of design. This integration of traditional and innovative decoration method not only improves the spatial quality of the museum, but also enhances the cultural experience of the audience, and opens up a new idea and direction for the interior decoration design of Chinese museums.

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