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**Abstracts
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Research on Innovative Application of Artistic Characteristics of Building Decoration Materials in Interior Design Based on Big Data

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Abstract. In the 21st century, people have entered the era of big data. People's life is inseparable from the comparison of big data mining technology, including Building Decoration Materials (hereinafter referred to as BDM). Through big data technology, we can select more suitable BDM, which can improve people's artistic expression level. The artistic characteristics of decorative materials can show a certain artistic beauty, which fully shows people's artistic wisdom and level. However, with the continuous improvement of appreciation level, the traditional method of strengthening the indoor aesthetic feeling only by the artistic characteristics of decorative materials has failed to meet the requirements of people. Therefore, it is necessary to fully combine the visual experience of decorative materials to improve the artistic characteristics. This paper analyzes the decorative materials in color, texture, texture, specifications and other aspects of visual performance, which can better enhance the artistic characteristics of Interior design (hereinafter referred to as ID). Finally, this paper puts forward some practical cases.

Keywords: Big Data, Bdm, Artistic Features, Interior Design

1. Introduction

Decorative materials are the material basis of ID, which is an important basis for the design of physical and chemical engineering. Through decorative materials, we can better improve the use of ID functions, which can also meet the spiritual needs of people. Through the selection and construction of BDM, we can realize the innovative application of ID^[1]. With the development of space culture, people pay more attention to the study of artistic characteristics of decorative materials, which can have different effects on the space environment. By enriching the artistic expression of decorative materials, we can provide infinite possibilities for the creation of space artistic conception^[2]. The artistic characteristics of decorative materials often directly stimulate the creative power of design. By guiding the fashion of design, we can improve our artistic expression, which can convey the aesthetic characteristics, artistic conception and atmosphere of interior space^[3].

2. Artistic characteristics of decorative materials



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2.1. *Artistic features of color*

At present, the ID mainly through the color visual characteristics to show the unique visual effect, especially the mood expression and atmosphere expression, which can be clearly expressed by color. Material itself has a unique color, which can reflect the uniqueness of color. When there is light in the environment, people can first collect the color information of materials. For example, white can reflect a visual expansion characteristics, black material can naturally make people feel the contraction of vision. In addition to changing people's visual sense, color can also affect the mood of the audience through its own color characteristics. For example, yellow is a warm color, people can feel a warm and sunny feeling when they see yellow^[4]. Green can stimulate people's psychology, which can show a kind of vitality. Gray has a sense of calmness and mystery. Dark color will make people feel part of the heavy feeling. Light color stimulates people to feel flexible and light atmosphere. Therefore, the designer should fully and reasonably combine the law of color. Through color, we can reflect a kind of three-dimensional space, which will fully feel the charm of a color^[5].

2.2. *Artistic features of texture*

Texture is the structural and organizational characteristics of decorative materials, which is a natural property. Texture can't be separated from texture, which is the full integration of decorative materials into the visual perception given. The surface texture of the material is not invariable, which may change according to temperature or other conditions. Therefore, whether the ID scheme is loved by people mainly depends on its texture, which can feel the comprehensive evaluation of the material itself. Different decorative materials must have different texture, which inevitably determines the difference between materials and materials. In the design, we need to fully integrate the characteristics of each decorative material, which can produce obvious psychological differences. For example, metal can reflect the modern flavor; stone can make people feel dignified and deep; wood can make people feel nature, which can reflect a kind of positive vitality^[6].

2.3. *Texture art features*

Texture is a variety of phenomena contained in the surface of decorative materials, which is a variety of phenomena reflected on the surface of objects. Texture is a special feature of decorative materials. When designing, designers can understand materials through texture, which is a special channel to fully communicate with materials. Texture is helpful to connect human visual and decorative material properties, which is a key way to promote people's perception of environmental details. The texture of decorative materials includes two types, artificial texture and natural texture. Among them, artificial texture is created and made by people. The natural texture has its own natural characteristics. Designers can fully combine the texture characteristics of materials to study the texture of materials, which will reflect the actual situation of innovative design. Texture helps designers design the space way, which can experience the innovation gap of different tactile and environment according to the observation results^[7].

3. **The innovative application of decorative material art characteristics in ID**

3.1. *The home elements in space design*

In the design of small indoor space, the fine design of decorative materials can be reflected in the external shape of material composition. Whether it is hard or soft BDM, various interior decoration items can be expressed through the form of materials. Through different modeling elements, we can convey different design emotions, such as implicit, exaggerated, relaxed, lively, solemn, elegant, etc. Therefore, different material modeling can bring different design sense to indoor space, as shown in Figure 1.

Figure 1 is an ID case of a small house, which integrates various modeling elements. In the space design, designers can use a variety of home modeling elements for material integration, this kind of fine design is very modern. Sofa, tea table and other furniture design for modern simple style.

Designers also pay great attention to details. The material of lamps and lanterns is made of crystal material, which has rich light and shadow effect. Designers in the television background wall this piece mainly through the minimalist design to carry on the decoration, the material is the wallpaper, there is no redundant decoration. The light yellow background wall and the black TV form a strong contrast, which reflects the designer's style of using modern materials and elements.



Figure 1. The household elements in interior space design of small house.

3.2. *Color matching aesthetics of decorative materials*

Color is one of the main means to convey emotion in interior decoration material design. Therefore, in the application of BDM, the design of small house space can also be reflected through the color of materials.

For example, figure 2 shows interior BDM similar to color design. Similar colors are colors that are closer to each other on the hue ring. Interior decoration material is similar to color, color matching does not conflict with each other and coordinate with each other, which can make people feel soft and comfortable. Therefore, the color matching of similar color BDM is suitable for warm home atmosphere, especially the similar collocation of warm color system, which can give people a mild atmosphere experience. At the same time, similar color design will not produce too strong visual stimulation, which is more in line with the needs of small family space home atmosphere.



Figure 2. Interior BDM are similar to color design.

Complementary color matching is the color located at both ends of the color ring diameter. Through complementary color interior BDM, we will produce a strong visual effect. In the specific application, designers can use one kind of decorative color as the main color of material design, and the other complementary color material can be used as decorative color, which can achieve active design effect in a relatively unified tone. If the ratio of the two materials is similar to each other, we will produce too strong visual contrast, which can't get good harmony. Similar color design of interior BDM is shown in Figure 3. The overall color of the interior adopts blue as the keynote, and the overall atmosphere exudes a cool breath. But in order not to make the whole room too cold, the designer used the warm color tone of jumping on the furniture color, and the light is the complementary color of bright yellow, which enlivens the atmosphere of the interior space. At the same time, the whole design is more harmonious, which has the characteristics of humanized design.



Figure 3. Interior BDM are similar to color design.

3.3. Sustainable development concept decoration

In order to reflect the massiness, dignity and atmosphere, the environment of many traditional themes is often filled with precious materials such as mahogany, copper decoration, gold and silver foil, marble and so on. Due to the "timeliness" of interior decoration, interior decoration is always in constant renewal, and the demolished BDM are discarded as construction waste. Therefore, through the treatment of natural lighting, natural ventilation, green landscape and ecological building materials, we can decorate based on the concept of sustainable development, as shown in Figure 4. Through modern technology and materials, we can express the past, which will combine regional and contemporary characteristics to pursue green, low-carbon and sustainable ecological needs. The stair handrail in the teahouse is transformed from the old table legs of the last century abandoned in the furniture factory. Through reprocessing, we endow tables and chairs with new life, which not only adds a bit of historical weight, but also expresses the concept of sustainable development.



Figure 4. Sustainable development concept decoration.

3.4. Adaptation of regional cultural environment

The use of interior BDM should be combined with regional cultural background. Cultural elements to a large extent determine the local people's preference for interior decoration. Chinese people like the decoration of mascots, but also pay attention to Fengshui culture. Western countries have their own cultural characteristics in decoration, such as roman columns, plaster lines, Gothic elements and so on. In Figure 5, the interior space design belongs to the typical Southeast Asian style, and the selection of furniture material is corresponding to the overall natural and simple style. By using lots of logs, we can give people a feeling of returning to nature. Among them, the design of wooden hollow screen is in the space division. Through the hollowed out design, we can enhance the practicability of the space, which is very Southeast Asian style and regional characteristics.



Figure 5. Southeast Asian style material decoration.

4. Conclusion

Indoor space is an important carrier of human life style. Therefore, designers should fully realize the important role of decorative materials in ID. Through the reasonable use of the color, texture, texture, specifications and other characteristics of decorative materials, we can continue to innovate decorative materials, which will gradually enhance people's aesthetic needs and environmental needs. By meeting the functional and emotional needs of people, designers should control the pollution and infringement

of the ecological environment caused by interior BDM, which can provide users with a healthy and comfortable living environment.

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