

# Research on Modern Decorative Patterns and Redesign of Home Textile Patterns

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**ABSTRACT.** With the rapid development of modern society, people's aesthetics have also improved, and the innovative use of modern decorative patterns as a visual art in home textiles has received increasing attention. The paper adopts research methods such as literature review, graphic comparison, etc. On the basis of sorting out and summarizing the overview of modern decorative patterns, it points out the innovative research on modern decorative pattern shapes, colors and expression techniques in home textile design. The research shows that the innovation of home textile pattern design and color is inseparable from the reference to the traditional national decorative pattern modeling language and artistic color; the expression techniques can use decorative Painting techniques mimic the effects of craftsmanship, thus giving home textiles a new era of value.

**KEYWORDS:** Modern decorative patterns, Traditional decorative patterns, Home textiles, Redesign, Inherit, Innovation

## 1. Introduction

With the development of the times, decorative patterns occupy a more important position in art design and have a rich expression. As a visual art, it is widely used in the fields of home textiles, clothing, daily necessities and other fields <sup>[1]</sup>. This article proposes the innovation of modern decorative patterns in home textile design by combing the concepts of modern decorative patterns and the design of textile patterns; so that people can have a deeper understanding and understanding of decorative patterns, expand the design ideas of designers, and further Foresee the future development direction of decorative pattern design.

## 2. Overview of Modern Decorative Patterns and Home Textile Patterns

Foreign writer Alova Rigel believes that from the ancient Egyptian kingdom to the Islamic world, there is an uninterrupted continuity in the history of decorative arts <sup>[2]</sup>. The concept of modern decorative patterns is a pattern art design developed by combining mature traditional decorative pattern design concepts with the core ideas of modernist style <sup>[3]</sup>. The development of modern Chinese decorative patterns is based on traditional decorative patterns. However, traditional decorative patterns make it difficult for designers to penetrate the inherent nature of pattern art. It values the changes of the auxiliary elements on the surface of the pattern, pays attention to the symbolic meaning of the pattern, and lacks the application of the law of formal beauty <sup>[4]</sup>.

Therefore, in order to fit the aesthetic taste of contemporary people, decorative pattern design has become increasingly demanding for innovations in shape, color, and technology based on the continuous integration of current popular culture. People are eager to obtain a new visual experience and hope to integrate this experience into every corner of life. Therefore, the modern decorative pattern came into being. At present, the modern decorative pattern expression form has been rapidly changing from traditional visual presentation to modern visual presentation in various fields of design, and home textile pattern design is an example of this.

The application of pattern design in textile design has a long history, which can be traced back to the era of textile technology <sup>[5]</sup>. For the redesign of home textile patterns, the types and themes of patterns need to be used in conjunction with a series of household products in order to more systematically and perfectly display the living environment <sup>[6]</sup>. The pattern design in modern textiles breaks through the limitations of traditional aesthetic and aesthetic viewpoints, and forms different styles to provide people with artistic household items. Its main function is decorative, but the pattern is not only a simple decoration, but also conveys a spirit and state <sup>[7]</sup>. Therefore, for the research and re-design of textile

pattern design, we should not only keep the traditional decorative patterns focusing on the symbolic meaning of the pattern, but also integrate the modern decorative patterns with the design significance and practicality of the design into the modern textile design.

### 3. Innovative Application of Modern Decorative Patterns in Textile Design

#### 3.1 Decoration Modeling Innovation

Decorative modeling is the most important and basic part of pattern design. The production of decorative modeling is an art processing process that transforms natural objects into decorative art images. This process requires designers to refine, summarize, enrich, add, deform, exaggerate, abstract and other artistic processing methods of objective objects. The redesign of patterns in textile design is also found and innovative on the basis of inheriting traditional decorative shapes. The artistic processing method of pattern modeling in modern textile design, taking home textile design as an example, mainly innovates in the following aspects:

a) Induction, generalization and abstraction. In fact, this artistic means is to summarize and arrange the complicated and redundant details on the surface of the object, and use the most concise modeling to express the essence of the object, so as to achieve abstraction. The modern decorative patterns are reflected in the concise summary of the modeling language in the bedding design, which is also a manifestation of following the extremely simplified design of modern society. As shown in Figure 1 and Figure 2, the author takes Chinese traditional folk handicraft cloth tiger as inspiration. After summarizing and generalizing the image of cloth tiger, the tiger's facial features are retained and external Simplified modeling, enriching its modeling characteristics with some decorative lines, and pursuing a simple but not simple flat style.

b) Enrich and add. This method is applied in the design of bedding products, which is to add appropriate decorative patterns to the required parts of the pattern. Such decorative patterns can be traditional patterns or abstract geometric decorative patterns. The purpose is to achieve the effect of rich pictures. As shown in Figure 3, the author adds a geometric patchwork pattern to the face of the cloth tiger to make it rich in decoration, thereby further improving the shape of the cloth tiger.

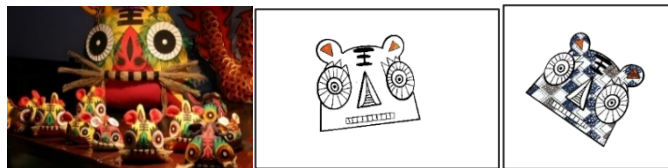


Fig.3 Tiger in Kind    Figure 2 Inductive Summary    Figure 3 Rich Addition

c) Exaggeration and deformation. There are many exaggerated deformation methods, such as squashing, stretching, twisting, partial exaggeration, etc. By choosing the best modeling angle to exaggerate or deform, the pattern is more expressive. As shown in Figure 4, after the cloth tiger image is perfected, the cloth tiger image is exaggerated and deformed, the facial expression of the tiger is exaggerated, and the overall image is divided. The front and sides of the tiger are cubist. The angle is combined into a new shape image. In the modern decorative pattern, the use of this method can make the shape more concise, honest, and better reflect the modern sense of the work.

d) Planarization. The application of planar modeling in the design of textiles is to make a planar pattern texture and fill it with three-dimensional objects, to make it planar and achieve a modern decoration. As shown in Figure 5, the author completed the design of the finished work. The designed cloth tiger images were arranged in the picture at different sizes and modeling angles. The patches with different patterns were filled in the tiger's ears, tails, eyes and other areas. At the same time, the proportion of the filled area is allocated, and a certain blank area is left to balance the picture. Finally, a texture pattern is made in the background area, so that the entire picture is coordinated and unified to achieve the overall planarization effect.



(a) Local exaggeration (b) Split combination

Fig.4 Ggerated Deformation



(a) Main pattern (b) Bedding effect chart

Figure 5 Graphical Work Completion Map

### 3.2 Decorative Color Innovation

Decorative color pays attention to a kind of color matching and decorative beauty, as well as the subjective will and emotional expression of art creators [8]. Decorative colors can draw on natural colors (Figure 6). In the modern era, unnatural colors such as the city's neon signs or various advertising signs can also be used in modern decorative pattern design (Figure 7). Neon tones and zebra patterns are used to design modern patterns. The use of colors in patterns also has traditional and cultural implications. For example, in China, red symbolizes auspiciousness, with red window grilles, red dowry, etc. Chinese shadow art and Facebook art use color collision to express the characteristics and temperament of characters. Therefore, the color of modern decorative patterns is based on inheriting the color performance of my country's traditional decorative arts, and integrating the scientific theory of western modern chromatics, and constantly moving towards a more era spirit and expressive direction. In addition to absorbing the essence of traditional decorative arts, the color expression of patterns in textile design also needs to combine the popular colors of the times. This requires designers to understand domestic and foreign market information, predict consumer mentality, master fashion awareness, and consider the color between the room and furnishings. For subtle changes, the use of color should pay attention to balance and balance [9]. Only in this way can the product be invincible and create a more fashionable, warm and comfortable home environment.



Fig.6 L Color



Fig.7 Unnatural Color



Fig.8 Imitation Embroidery Texture

### 3.3 Innovation in Performance Techniques

The performance techniques of modern decorative patterns reflected in textile design involve craft making. Taking home textile design as an example, the production process of decorative patterns mainly uses some tool materials, such as watercolors, gouache, Chinese painting materials, etc. which can be hand painted, can also be presented using computer painting. The performance techniques of different media are also different. Take black-and-white decorative painting as an example. Its performance techniques include drawing method, silhouette method, light and shadow method, flat light method, rubbing method, and characterization method. Rule to fill the decoration, in order to achieve a concise, crisp, simple, rich visual effect. However, textile pattern is different from painting art. It cannot exist independently of specific craft conditions, and has the limitation of production process. Such as printing patterns, jacquard patterns, embroidery patterns, etc. all need to be designed according to a specific process flow. If the textile pattern design leaves the specific process flow, the textiles cannot be produced without the raw materials, fabric organization, equipment and technology, the design can only be "talking on paper" [9]. The innovation of equipment and technology always requires talents and time to study. It is not a problem that can be solved in a short time, but there is still a lot of innovation in expression techniques. For example, painting techniques are used to imitate the texture organization of embroidery (Figure 8); the needlework of embroidery will form different textures. Drawing the needlework of embroidery by painting is actually an innovative way, and it achieves the same visually. The effect also makes up for the tedious and expensive deficiencies of the embroidery process.

#### 4. Summary

Through research on modern decorative pattern concepts, home textile pattern design content, and the innovative application of modern decorative patterns in home textile pattern design, this article draws the following conclusions: In the process of applying modern decorative patterns to home textiles, it is necessary to not only reflect the formal rules of patterns, but also exert artistic association and artistic imagination, and use unique ways of thinking to give emotions and allusions to pattern art with rich expressions. In addition, based on the cultural connotation and elements of traditional decorative patterns to innovate in modeling, color, performance techniques, etc., only in this way, we can realize the redesign of home textile patterns and give home textiles a new era connotation.

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