

Study on the Design and Application of Decorative Patterns

Xin Wang^{1, a}

¹Jingdezhen Ceramic University, Jiangxi, 333403, China

^awangxin20211018@126.com

Abstract

Decorative patterns are created by human beings beyond meeting their daily life. It is the crystallization of wisdom to meet people's needs of spiritual as well as aesthetic. Decorative patterns exist in all aspects of people's life through the long history. its existence itself contains different periods of cultural heritage, spiritual connotation as well as folk style. On the basis of literature research and investigation, this paper combines image analysis method to analyze and study the modeling characteristics, composition rules, design methods and expression methods of decorative patterns, which hoped to provide some new ideas and thinking for the design and application of modern decorative patterns.

Keywords

Decorative Patterns; Design; Application.

1. Introduction

"Pattern" generally refers to some schemes, plans and creative ideas that are displayed through visual media such as images and graphics. It is a planar and three-dimensional expression that combines the three elements of meaning, image and case. According to its spatial form of existence can be divided into three-dimensional, plane ; according to the selected topic design content, it can be divided into animals and plants, characters, landscapes, and generalized geometric patterns; according to the composition of the pattern can be divided into continuous and separate patterns, continuous patterns often appear in Chinese traditional patterns, such as ring pattern, back pattern, etc., generally in the form of two continuous and four continuous.

2. The Overview of Decorative Patterns

Decorative patterns both in China and other countries have a long history, in China it is generally divided into traditional, folk, modern and other three categories.

Traditional pattern refers to the ancient patterns with a relatively long history, such as the beast pattern, back pattern and Kui pattern commonly used in bronzes, and the traditional patterns commonly used in ceramics, such as peony, lotus, bird and butterfly, are different forms of expression. Folk patterns generally have strong folk color. In the creation of folk patterns, they are often linked with people's daily work and life, and are full of profound spiritual connotation. Folk patterns often repose people's yearning and repose for a better life. Any pattern that appears contains a good auspicious meaning, which is generally used in paper-cut, embroidery, New Year paintings, shadow puppets, paintings and other daily life. The definition of modern pattern is relative to the traditional pattern, the traditional pattern refers to the past, then the modern pattern is with the characteristics of the times, in line with the modern people's aesthetic pattern, the more representative are Bauhaus, Kandinsky and so on.

3. The Design Rules for Decorative Patterns

3.1. Modeling Features

In the aspect of modeling characteristics, it mainly grasps its planarization characteristics, and shows it through three aspects, such as strong sense of order, concise outline and neat plane processing.

The sense of order is contained in every corner of people's life. The sun rises and falls in the east and west, the plant context, and animal feathers have different regular orders such as repetition, arrangement, and gradual change. The application of order in decorative patterns means that a single individual is first used as a starting point, and it is processed by combination, arrangement, and repetition to make it present different orders of the same body, so that the same body presents different appearances, but it is in the same order framework as a whole. For example, Mondrian often uses square segmentation of different sizes to process the picture, so that the whole picture is in a unique order of segmentation composition.

Abstract outline is a commonly used method in modern pattern design, through the weakening of the details of the main body and clever generalization to strengthen and highlight the main line, in general, is to simplify the details, exaggerated features, geometric expression. "The dream" for example, pablo Picasso, the picture of the main body of a woman sitting on a red couch with closed eyes, Picasso to women with simplified and combined with the outline of the sofa chair, with concise lines to express, rather more imagination space to the person, the frame body, the female body also summarized as flow round curve, more highlights the female's gentle feeling, That's probably the power of the different lines.

The treatment of plane regularity means that the treatment of the subject matter in the picture is different from the level and depth of the individual, and pays more attention to the level between each thing in the picture. This level is reflected in its reorganization, arrangement, gradual change and repetition. It is not limited to the composition of the traditional painting that is near, far and small, and the front is real and the rear is virtual. It needs to weaken the space and make it completely planar.

3.2. The Composition Design

The composition of decorative patterns usually does not need to consider the spatial relationship of things, similar to the rationality of near large and far small composition. It is a relatively free form of composition, which is not restricted by space or time. It emphasizes overall harmony and balance, requires the greatest amount of imagination, out-of-the-box thinking, with an interesting saying that my arms can be longer than the legs.

The framework composition of decorative paintings is a kind of recessive composition, which refers to the arrangement of space, orderly space, regularization, so as to produce the regularity of patterns. The common rhythmic composition is the conscious division and arrangement of space. The pattern is divided by geometry to make the picture fuller and richer. The traditional meter pattern, S pattern, echo pattern, Taiji pattern and nine-circle pattern are all commonly used frames of pattern. Dunhuang caisson pattern is a classic case of pattern.

Decorative composition perspective rich variety. It is mainly composed of free composition. In addition, there are also flat-view composition and focus composition. Although the composition forms are various, the essence is to grasp the main characteristics vivid and exaggerated expression of it, so as to convey the humorous and humorous creative interest incisively and vividly.

3.3. The Design Method

In the design of decorative patterns, it can be roughly divided into five aspects: change and unity, symmetry and balance, contrast and harmony, rhythm and rhythm, moving and static.

Change and unity. Change lies in the whole of the unified, the two complement each other, be short of one cannot, in the past in pursuit of a unified inevitably makes images inflexible, lack of energy, and the pursuit of change will only make the picture is too messy, lose the order rule of decorative pattern, therefore, when making decorative pattern design should be based on the whole, found that each piece of surface to express different characteristics, Make it the same but not the same.

Symmetry and equilibrium. There are many symmetries in nature, such as axial symmetry and central symmetry. As far as the most basic people are concerned, they all have two hands and two feet, such as the wing of an airplane and the handle of a pot. It can be seen that the form of symmetry meets People's Daily needs to some extent. It is also very reasonable to use the scale in decorative patterns. Balance is the combination of the same amount of opposites, and the sense of balance is the state of maintaining the average strength of each other, giving people a sense of balance. It seeks to balance the position and proportion of different subjects in the picture.

Comparison and harmony. In the design of decorative patterns, there are many comparisons, such as color comparison, size comparison, space comparison, location comparison and so on. While designing, it is necessary to fully consider its harmony, such as red and green. They are a group of strong contrast colors. When using these two colors, it is necessary to adjust their brightness and saturation to make them have a harmonious contrast effect.

Rhythm and rhythm. They are generally used in music to describe the direction and level of music scores, which are also the same in decorative patterns. They are used to describe the progressive and regular sense of the picture level, that is, it is often said that art creation should pay attention to grasping the overall rhythm.

Motion and silence. In the decorative pattern, dynamic and static roughly through the lines of the straight, color contrast, composition and other three aspects to express. The straight line gives people a more closed feeling, and the turning point of the straight line is also harder, which will give people a solid experience, while the curve gives people a sense of flow through its smooth and mellow form, so the surface generated by the straight line and the curve naturally has a dynamic and static point. Color contrast, in the color, generally warm tone, high saturation, high brightness to bring people feel more warm, lively, cold tone, low saturation, low brightness is more static; the composition of the composition, such as symmetrical composition and balanced composition, symmetrical composition of the same symmetrical part is static, while the balanced composition is dynamic, the shape is more single for static, otherwise it is dynamic.

4. The Application of Decorative Pattern in Decorative Painting

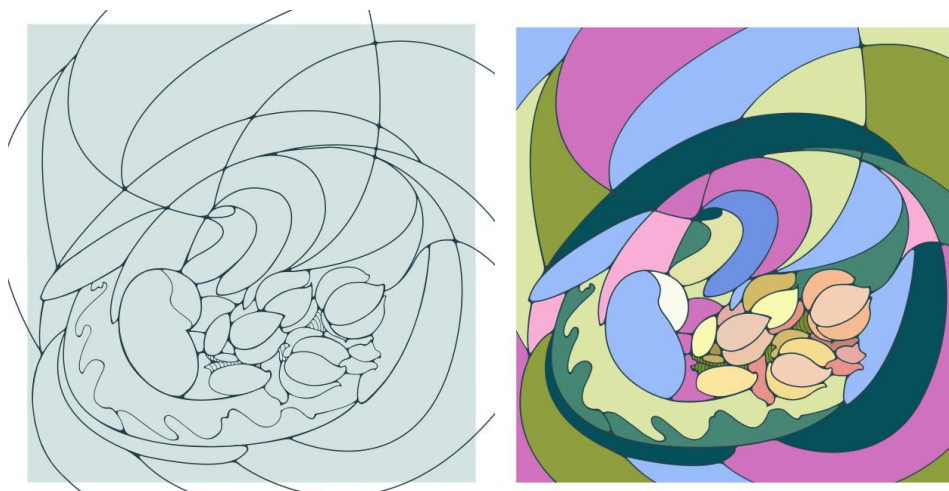


Figure 1. A decorative drawing of the storm center

Decorative pattern is often used in decoration, the two are similar but different, the relationship between both is through the adornment modelling, but the medium is different, decorative pattern needs to be attached to the objective material such as textiles, ceramics, adornment and both can be used as a plane painting and can rely on to create with different materials, decoration compared with decorative pattern more flexibility. In modern artistic creation, people often combine decorative paintings with decorative patterns.

As shown in “storm center” in Fig. 1, the decorative painting uses large-radius lines to segment the picture, seizes the characteristics of flower roundness, and exaggerates and deforms the outline of its flower package. The petals wrapped by layers are used to metaphor “storm”. The whole picture uses extended lines to give the picture a sense of extension and endlessness. The center of the picture is a girl holding Fengweilan, which is intended to bring people the courage to face difficulties, which is also expressed in this work: learning to face the storm is the ability everyone needs to learn in their growth.

5. Conclusion

Decorative pattern is an indispensable part of human development, going through human production and life. It brings people not only a visual aesthetic, but also the yearning and display of a better life. The expression of unique cultural connotation is widely used in modern society. It is hoped that this research and analysis can provide some new thoughts and help for the development of decorative patterns and modern pattern design while put more vitality into contemporary pattern design.

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