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CREATIVE APPLICATION OF BAMBOO WEAVING TECHNIQUES IN MODERN CLOTHING DESIGN

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This article is devoted to the study of the characteristics of traditional bamboo weaving crafts and the innovative design of modern clothing. It analyzed the design principles and application rules of bamboo weaving techniques in fabric texture, graphic pattern and structural modeling in clothing design. Which is explored the methods of combining bamboo weaving techniques with modern clothing design. It is realized the inheritance of bamboo weaving techniques and the innovative development of modern clothing design.

Key words: bamboo weaving techniques, clothing design, fabric texture, graphic pattern, structural modeling

INTRODUCTION

With the diversified development of world culture and the improvement of people's aesthetic appreciation, clothing is no longer limited to the practical property of keeping warm. Simple decorative have been unable to reflect designers' innovative and artistic design requirements for clothing. At the same time, the mode of industrial production is increasingly unable to meet people's needs for external display of self-personality and spiritual. So the concept and connotation of clothing design have become an important point for public.

PURPOSE

The purpose of the article is to consider how modern designers combine bamboo weaving techniques and traditional clothing manufacturing technologies in their collections based on fabric texture, shape, structure, color; how the main modeling elements of bamboo weaving technologies are used to build new styles of clothing.

RESULTS AND DISCUSSION

Bamboo weaving techniques are numerous, which is created a wealth of bamboo weaving texture, graphic pattern, structural modeling. The big data analysis shows^[1] that more and more designers can apply it in different style clothing according to the characteristics of bamboo weaving technologies. For example, the use of texture to express the fabric texture of clothing, the formation of clothing pattern with color pattern, and the display of clothing modeling with structural effect^[2]. It is not only riches artistic effects and new style features, but also enhances the artistic sense and cultural added value of clothing design.



Strip weaving is a technique which can preserve the effect of bamboo weaving to the greatest extent. The main process of making is similar to that of bamboo weaving. The fashion designer expresses design concept mainly through different weaving techniques of bamboo and changing strip materials, including material, thickness, color, etc^[3]. As follows in Fig.1, the clothing design of Central Saint Martins company has designed three new clothing style used bamboo strips in a variety of broad and narrow primary colors, which were pressed and woven to create a bamboo fabric to show the power. Similar designs of different profiles are displayed, and the combination of woven thread and bamboo strips is integrated. In order to fix the shape of the garment, bump nails are also selected as reinforcement to form a special garment fabric. The flexibility of the material is utilized to create a dynamic design with silhouette and full of innovation.

Fabric design is the core of clothing language. Most clothing fabrics are made by interweaving silk threads through longitudinal warp and transverse weft. This weaving technique of fabric is almost the same as the weaving technique of bamboo weaving technique of "one pick and one press", so most bamboo weaving techniques can be applied to the weaving of clothing fabrics to form new clothing styles.

As shown in Fig. 2, a Danish designer Anne Sofie Madsen has used black & white warp with weft interleaving between strip materials to form a unique checkerboard texture effect, enhanced the sense of layer and diversity of the fabric. As follows in Fig. 2, b, the clothing of Balmain company combined with different weaving techniques to create the texture effect of three-dimensional fabric, enriched the sense of layers of clothing, while can be used to emphasize the clothing structure line and enhance the overall sense of line.

The pattern design of clothing is basically the same as the pattern design of bamboo weaving crafts when strip weaving is used. Designers design the color and thickness of each strip of material, then weave and arrange it, changing the color to form a pattern.



Fig.1. The design of bamboo weaving techniques in clothing craft



Fig. 2. Bamboo weaving techniques in the fabric texture of fashion design:
a – Anne Sofie Madsen, b – Balmain

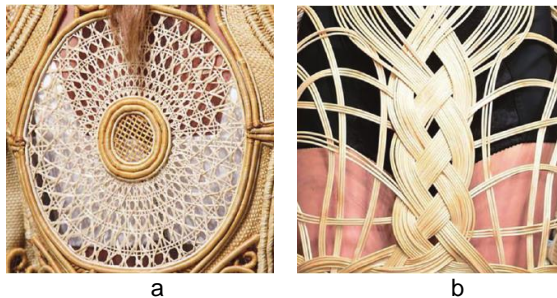


Fig. 3: Bamboo weaving techniques in the fabric texture of fashion design:
a, b – Balmain

As shown in Fig. 3, a, the clothing of Balmain company is performed a square-conjoint pattern of cross woven (SCPCW) or two sides continual. Which is to be more rigorous and regular. Designer weaved leather strips at will along with the human curve walking to form concave & convex and full of rhythm of the pattern appears at random(Fig. 3, b).

In terms of clothing modeling, designers use strip weaving technology, combined with the hard and flexible material characteristics of bamboo weaving to innovate the process and modeling, show the wearable material and reflect the aesthetic form of traditional craft. As shown in Fig.4, a, the clothing of Dolce & Gabbana company is performed the hard property of bamboo weaving material. It is used to make it separate from the human body and clothing which is forming a more exaggerated and free shape. The toughness of bamboo weaving material is also used to make it fit the human body and play a role in shaping the body.



Fig. 4. Dolce & Gabbana Spring/Summer Fashion Show

CONCLUSIONS

As the analysis showed, the application of bamboo weaving technique in clothing design is the indirect application of bamboo weaving techniques and patterns, which makes bamboo weaving patterns present a new aesthetic perspective, which is also the embodiment of increasing practical value. More than 200 kinds of weaving techniques form the ever-changing texture and pattern of bamboo weaving, which can be used as the inspiration material library for innovative clothing design.

Bamboo weaving skills can be inherited and continued to this day, not only because of its exquisite patterns and techniques, but more importantly because it embodies the connotation of human spiritual civilization. Today, with the trend of diversification in fashion design, the folk style of simplicity is popular in clothing design. It is of great significance to combine bamboo weaving technique with clothing design, which is conducive to the inheritance and development of traditional skills. The combing and analysis of bamboo weaving pattern adds more inspirations for clothing design, and also provides more design ideas for designers.

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