

The Application of Weaving Process in Modern Clothing Space Performance

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Abstract: This paper mainly introduces the application of clothing sense of space and knitting technology in the clothing space, through interpretation of conventional process modeling of artistic expression and communication, the other clothing design to a certain reference and guidance.

Keywords: Weaving Process; Clothing Space; Three-dimensional; Texture Effect

1. Introduction

Weaving craft is one of the commonly used decorative techniques in fashion design, with weaving techniques of continuous innovation and development, weaving technology has become a modern unique arts and crafts, and is widely used in every field of fashion design, in advocating and diversified style today, fashion design plan division to play its unique visual space effect and the texture of art incisively and vividly.

2. Knitting Process Overview

2.1. Principles of Knitting Technology

The art of weaving is according to the characteristics of the material use of materials by taboo by knot, winding, on set, interspersed with, such as the preparation of method were handmade, the planar pattern by weaving techniques into all sorts of fancy patterns effect for design. The main factors of the woven elements include the materials, the different means of weaving, the place and the use of the dress, the three-dimensional pattern of the woven pattern, etc.

2.2. Knitting Technology Features and Methods

Woven decoration features: due to the weaving process of the main features is its diversity. Therefore, even if it is a raw material of drab will can be through a certain design method to certain rules of woven rhythm changes resulting in the formation of spatial sense of texture, concave and convex type structure for the overall appearance of the image of clothing increased a strong sense of three-dimensional space, as shown in Figure 1 below. Common weaving techniques have plain weave, tangle woven, twill weave, spiral woven, braided Lianzhu stria, pick woven pressure etc.

3. The Meaning of Clothing Space Design

Clothing space design refers to the physical form of the common limited space and space..Modern clothing mod-

eling is a cross application of three-dimensional structure, profile and details, as well as a variety of design methods, and its purpose is to create three-dimensional space with three-dimensional shape.



Figure 1. Creative knitted apparel

In the concept of art and design, refers to the inner space of the clothing is human skin and clothing in the layer space quantitative easing, in space in the interpretation of clothing, designers often use structural support or material support to support the internal space of the widening clothing, this clothing in the outside see the contours of a certain style, of course, in addition to this, there are many methods to shape the inner space of the clothing, such as in the process of apparel design pinch pleat, seam dart and other techniques, as well as the use of weaving techniques to reveal the inner space of the clothing, in order to achieve the performance of the internal space of the clothing. The definition of clothing outer space refers to the material texture of the appearance of the clothing, and the space of the people's living place, the working region and the social environment.. That is, the external image of the clothing and all the external environment besides the clothing itself will have an impact on the exterior

space of the clothing.. The cross overlap and texture effect of the clothing surface constitute the exterior space of the clothing.

The purpose of the clothing space is to make the whole space of clothing become larger, so that the inner space gradually moves towards the outer space, so that the fusion between the rich outer space and the inner space of the block is changed.. In the design, the inner and outer space of clothing is combined to form a new space visual effect, which brings a greater sense of space to clothing.

4. The Performance of Weaving Process in Modern Clothing Space

Knitting technology in the clothing is widely used, we can in recent fashion week released show saw many luxury brands using the knitting elements, such as Chanel, Alexander McQueen, Missoni, iris van Herpen., Missoni as the knitting industry tycoon is the weaving process using the acme of perfection. To go into the details of weaving technology in the clothing embodied mainly in the material selection, color matching, pattern design, sense of space design, due to the weaving process with unique properties and characteristics of the style, so in the space sense has a strong design features.

3.1. Space Sense Interpretation in Design

Clothing is a natural condition of the human body, while the space is different, and clothing space is the need for different clothing materials to complete. Fashion sense of space have different names in different periods, such as the German wind era is mainly "tear laseau" as the main decoration era, "tear laseau" is also called "hollow" shown by hollow clothing, the clothing color, texture contrast so as to achieve the level of sense of space, after the number of years of history, and the aesthetic of clothing space are also changed a lot, we often find that the use of unique design techniques were exaggerated on the shoulder sleeve and other parts, often in many designers, then gradually expand to other parts of the body, when the designer in the internal space widening sense of style at the same time, will also strengthen the work of the details of texture, and then it will use a lot of methods, which are frequently appear in the weaving process design master hands, such as China's designer Ruan Fangcui has designed a set of amazing works, shown in figure 2. Using knitting technology to express the sense of space, or emphasize local to convey spatial modeling sense of clothing or simple or complex design, the combination of internal and external space better, to the visual effect is very rich and colorful.

3.2. The Performance of Body Feeling and Quantity in the Garment Profile in the Process of Weaving

In the sense of body sense, the volume of the object is defined in a narrow sense. The sense of body is the

thickness formed by the object in a certain space, and the volume state of the object is formed.. Refers to the amount of the size, weight and number of objects represented by the volume of the object, in addition to these external things, there is in the works of art indispensable "quantity", that is, art and skill. Body mass between interdependence, indivisible. Weaving process volume sense in the design space often show the overlapping between the material accumulation, to change the overall clothing profile shape and appearance texture visual aesthetic satisfaction by the accumulation of this design approach and a variety of material between, resulting in local costume modeling showing a somatosensory and sense will achieve significant three-dimensional effect, achieve three-dimensional sense of space form.



Figure 2. The design work of the fashion designer Ruan Cuifang



Figure 3. The design work of the fashion designer Ruan Cuifang

3.3. Knitting Process in the Clothing Space Shape Form of Application

Like clothing, buildings, traditional architecture of the external shape exaggeration is determined by the internal spatial structure, in the clothing design creation in the process of weaving process can be reached on the structure characteristics of modeling, costume more three-dimensional effect, weaving technology has made space to play a role in landscaping, supporting the outer contour shape of the garment itself. Clothing can use the weaving process to the clothing material or irregular woven arrangement, make it more exaggerated, more three-dimensional space. This method can not only get the ex-

ternal contour of the strong sense of space, but also have some internal space.. As shown in Figure 3, the designers use woven material softness characteristics of dense regular in accordance with a specific shape structure are arranged and presented the stereoscopic effect is the soft characteristics of raw materials can't.

3.4. The Stereoscopic of the Woven Material in the Clothing Space Performance

In the visual arts of clothing, the form of material conveying appearance is an inevitable process.. Fashion designers design will displayed through the clothing material, clothing material is carrier of the fashion design form, is closely related to the texture of the clothing modelling success and clothing materials, appropriate clothing materials can plays a decisive role in the success of the costumes and the innovation of the clothing material needs with the latest design concept to the development of, clothing materials redesign also known as clothing fabric reengineering, Refers to the process by means of clothing or other design methods of clothing material transformation of different degree in different ways, showing a rich texture of clothing to enhance the visual effects, the braiding process can be a good use of the characteristics of fabrics using different methods to reconstruct the original fabric, not only changed the fabric texture tactile sense, also changed the transformation from two-dimensional space to three-dimensional space state of fabric, the formation of a new multidimensional modeling with stereo perception, as shown in Figure 4, the Iris van Herpen designer is to weave the original two dimensional plane clothing materials through certain procedures, conversion to form a new three-dimensional the multidimensional visual modeling, so that the original material appearance has undergone a qualitative change in the shape, texture, expression of 3D garment better level sense of shape and texture reconstruction of artistic charm. For silk and cotton the ordinary two-dimensional material after weaving will is not the same, and this change not only changes in the sense of space, and level of detail effect, weaving techniques, so that the designers a full range of understanding to space materials and clothing style sense of the melt with each other, giving the designer rich ahead of the fashion design idea and art

form of thinking to enhance the artistic taste of fashion design.



Figure 4. Woven garments of special materials

4. Summary

There are many performance clothing sense of space. This paper mainly introduces the using traditional weaving techniques of the clothing space sense of performance, by weaving technique characteristics of the fabric to create to achieve the maximization of mutual integration of external space and internal space of clothing and clothing space, rich design language and type of clothing space design. In addition, there are more techniques of 3D garment performance space plays a different effect, unless we stop to summarize mining, make the clothing in the sense of space creation and performance to be more perfect.

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