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Application and development of a textile equipment integrated with design elements

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Abstract: Chinese fashion design has thousands of years of cultural history. In the stage of modernization, the combination of fashion elements and Chinese traditional fashion design elements plays a key role in the development of Chinese style fashion design. In this process, how to integrate traditional and fashion elements into Chinese style fashion design is a key problem that should be solved in contemporary times. There are some problems in traditional style fashion design, which still need to be solved. This paper expounds the concept and techniques of Chinese style clothing design. Dress pattern design has a long history, extensive materials and rich forms of expression. The design of pattern elements in garment design belongs to a part of the overall garment design. The purpose of using pattern elements in garment design is to improve the sense of design and beauty of the whole garment. This paper studies the history and application status of pattern element design in fashion design, summarizes the classification of pattern design in fashion design, and discusses the innovation of pattern element design in fashion design.

Keywords: Chinese style; Manipulation; Fashion design; pattern design

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1.Foreword

Some elements of Chinese traditional culture are more and more applied in modern fashion design. Chinese traditional history and culture are long, broad and profound, which is worthy of many people to study and learn the unique cultural tradition of our Chinese nation. Chinese traditional culture has a long history and profound culture, which is worthy of many people to study and learn the unique culture of our Chinese nation. In recent years, there are more and more references and learning from Chinese traditional culture. With the continuous dissemination and inheritance of Chinese culture, people all over the world are studying the elements of Chinese traditional culture in the process of modern clothing display, which means that Chinese traditional culture has a great impact on clothing design and promotes the development of clothing design industry. With the continuous spread and inheritance of Chinese culture, there are more and more references to and learning from Chinese traditional culture in recent years. In the process of modern fashion display, people all over the world are studying the elements of Chinese traditional culture, which means that Chinese traditional culture has a great impact on promotes the development of fashion design industry and fashion design.

2. History of pattern element design in clothing

2.1. Study domestic history

study the geometric patterns in domestic historical and modern folk costumes, most of which are symmetrically distributed in structure. Geometric decoration is a figure with aesthetic value composed of points, lines and surfaces. It generally belongs to abstract graphics. It also combines geometric shape with natural shape to form a semi abstract pattern. China has a long history, and clothing has developed with the changes of the times. There are many decorative geometric patterns in modern folk dress patterns, which can be divided into imitation of natural objects and man-made objects and symbolic patterns according to different contents. The Shang Dynasty was the first dynasty to apply patterns to clothing. The Shang Dynasty was a slavery society, and most of its dress patterns were exaggerated, deformed and arranged neatly. This exaggerated, ferocious and neatly arranged pattern has symbolic significance, that is, it reflects the inviolability of the slave owner.

2.2. Study foreign history

Gorgeous flower patterns were popular in the Italian Renaissance. During the Louis XV period in France, influenced by the Rococo decorative style, clothes were popular with S-shaped or spiral rattan grass and light garden flowers and grass patterns. The patterns on Western European clothing also change with the changes of

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history. The Fauvist dufei pattern appears in modern fashion design. It uses the Impressionist and Fauvist freehand brushwork techniques, flat painted color blocks to interpret the Fauvist pattern plot, concise and bold strokes. In the international fashion garden, dufei pattern has become a synonym for freehand flowers. In the 1960s, patterns were formed according to the unique law in fashion design, and the op art pattern designed by using the principle of geometric misperception appeared.

3. Application of Chinese style pattern elements by domestic and foreign designers

3.1. Domestic bold innovation cases

Designer Li Hongy an launched clothes with Mickey Mouse pattern at the spring and summer work conference of the brand "Helen Lee". Inspired by Disney Mickey Mouse, the whole series is very interesting[1]. In 2016, SHIATZY Chen's designer took "leading" as the theme at the spring and summer press conference. His clothing works were designed with yellow and pink colours as the main colours, combining Chinese tradition and modern fashion, and inspired by the characters and patterns in journey to the west, one of China's four famous works. The clothing brand "B + by beauty berry" At the press conference in autumn and winter 2016, designer Wang Yutao took Fumao as the inspiration and combined the super large clothing silhouette with bold colour contrast and Fumao pattern to design the whole series[2]. Clothing products are full of interest, and the design of clothing patterns is particularly novel. At the press conference in spring and summer of 2016, the clothing brand designed various food and other patterns on the clothing, with the theme of "stubborn joy and cooking". The design of these graphic elements in clothing just meets the needs of young people full of personality.

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3.2. Successful cases abroad

Italian clothing brand MOSCHINO (MOSCHINO) 2015 spring / summer men's wear series is inspired by the trendy fashion culture of the 1980s. Rivera's portrait patterns are designed on the current season's clothes in various exaggerated forms. It uses its interesting colors, smiling faces, national flag elements and other patterns to create unique pop style clothes[4]. In 2014, Italian clothing brand Prada At the press conference of Prada's works, the fashion design was inspired by the paintings of the famous Mexican painter Diego Rivera. In autumn and winter 2017, the Italian fashion brand Dolce & Gabbana series was based on "contemporary literature and art" As the theme, the small universe has become one of the most important pattern decorative elements of this season. The flashing luster and shining embroidery coincide with the sense of interstellar. The lovely asteroids and full colours add interest to the works. The application of these patterns in fashion design makes us not only enjoy the vision, but also experience the pleasure brought by interesting patterns[5]. At the 2017 work conference of Italian clothing brand Valentino, the designer Piccolo designed the changed digital geometric patterns, mathematical addition problems and other patterns in the clothing to form clothing works with pop style.

4. Expression methods of various elements in fashion design

4.1. Expression of Chinese elements in fashion design

Pattern design is an important part of fashion design. The expression method of printing pattern will also change with the change of social technology and the emergence of new materials. It can be summarized as different treatment of points, lines and surfaces. Most of the printing patterns are made of these three combinations[6]. In these three combinations, one or two elements are generally used as the main elements, supplemented by other elements, which must not be handled evenly, otherwise there will be no primary and secondary differences in the picture, and the picture will feel confused.

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4.2. Classification of pattern elements in fashion design

Dress patterns are classified according to decoration techniques, artistic forms, craft expression forms and composition forms.

Decorative techniques include concrete patterns and abstract patterns. Abstract patterns generally refer to geometric patterns or some patterns imagined by people. Art form includes two forms: plane pattern and three-dimensional pattern[7]. Concrete pattern refers to the pattern that takes specific people or things as pattern design elements to process the pattern to make it meet the design requirements. Plane pattern is a two-dimensional decorative pattern, mainly including the shape and color of the pattern. Three dimensional pattern is a decorative pattern in three-dimensional space, mainly including three-dimensional shape, structure and color. The composition forms mainly include independent shape and continuous shape[8]. The continuous shape can be divided into two square continuous and four square continuous, and the independent shape can be divided into separate shape and suitable shape. The fit shape is composed of a pattern limited by the outer contour. The individual shape is a pattern that can deal with the shape freely and is an independent individual. There are various forms of craft expression, mainly including printing and dyeing, hand painting, embroidery, collage, etc. Printing and dyeing patterns are also organic printing, screen printing, circular screen printing, batik, direct printing, tie dyeing and so on.

5. Sunmary

Chinese traditional culture and the color and form of style design, combined with the unique nudity technique design of the west, can more drive the development and process of Chinese fashion design. The design of nudity technique should have a certain full understanding of the human body. Which position of human body nudity can bring people beautiful enjoyment and fashionable senses, and increase their own charm and characteristics.

How to widely apply traditional culture and fashion elements in Chinese style fashion design is a major problem to be solved in fashion development design[9]. How to integrate Chinese traditional culture and fashion elements into fashion design, we must first have a full understanding of Chinese fashion design, and how to integrate the design concept, style, culture and connotation in fashion design. In Chinese style, fashion design should always take Chinese traditional culture as the concept, integrate various elements into it, realize the integration of traditional culture and fashion elements, and promote the development of Chinese fashion design. It reflects the spark brought by the collision between traditional culture and fashion elements, and brings a breakthrough in fashion design thought, form, connotation and concept. In Chinese style fashion design, deconstruction is used to transform the traditional design method into a new one. The design of nudity technique should have a certain full understanding of the human body. Which position of human body nudity can bring people beautiful enjoyment and fashionable senses, and increase their own charm and characteristics. Only by combining the form and connotation of Chinese traditional culture can we really establish the fashion design brand with Chinese style.

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