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Fabric Reconstruction Based on Sustainable Development: Take the Type of Fabric Recycling as an Example

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ABSTRACT

Sustainable development is a very important concept of our time, it wants to do is to live in harmony with people, to protect the environment where our human survival. Fabric recycling refers to the use of a variety of traditional and high-tech means of the existing fabric fabric design and processing. So that the surface of a rich visual texture and tactile texture "through the fabric recycling approach. However, the fabric form and clothing design coordination between the clothing design is essential to the link! Garment fabric is not only the material basis of clothing modeling But also an important form of plastic arts. Fabric recycling art has gradually become a new breakthrough point of fashion design! And become an important means to increase the added value of clothing products. But at the same time fabric recycling also follow the concept of sustainable development. This paper analyzes the relationship between fabric reengineering and sustainable development. Combined with practice to explore the fabric processing technology and its creative ideas and some of its environmental performance.

Keywords: Creative Ideas, Costume Design, Environmental Protection, Fabric Reengineering, Sustainable Development.

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1. On the concept of sustainable development

Sustainable development of the theoretical core, closely around the two main lines: First, efforts to grasp the balance between the relationship between man and nature, to seek the harmonious development of man and nature and the rationality of its relationship. At the same time, we must link human development with the consumption of resources, environmental degradation, ecological stress and so on. Its essence reflects the relationship between man and nature harmony and co-evolution; Second, efforts to achieve the coordination between people. On the one hand through the guidance of public opinion, London.

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(Such as the inter-generational relationship) between the human and the human relations, and the other is to promote the relationship between human beings and other human relations through the legal system constraints, social norms, cultural orientation and other human activities and effective organization, With justice. To sum up, the global face of "sustainable development" grand proposition, fundamentally embodies the relationship between man and nature and the overall coordination between people. Effective coordination of the relationship between "man and nature" is the basis for the guarantee of sustainable development; and the correct handling of the relationship between "people and people" is to achieve the core of sustainable development. On the basis of extracting the connotation of sustainable development theory, this paper analyzes the sustainable development theory, the critical threshold of sustainable development, the mathematical model of sustainable development, the sustainable construction equation, the green GDP measurement under sustainable development, As well as China's sustainable development strategy of the practice and action, a comprehensive induction.

2. About fabric recycling

2.1 Definition

Fabric recycling refers to the use of a variety of traditional and high-tech means of the existing fabric fabric design and processing, so that the surface produces a wealth of visual texture and tactile texture. Through the fabric recycling approach, so that the traditional fabric to show dazzling color effects and rich surface texture, fabric recycling art has gradually become a new breakthrough in fashion design, and become an important means to increase the added value of clothing products. This paper analyzes the relationship between fabric rework art and garment design and fabric characteristics, and discusses the processing technology of fabric recycling and its creative ideas. Fabric decoration, also known as the second design of clothing fabrics, is based on the design needs of the finished fabric for the second process to produce a new artistic effect. It is an extension of the designer's thinking, with unparalleled innovation. In the fashion design, style, fabric and process is an important element, and fabric secondary design in which play an increasingly important role.

Garment fabric recycling, is the designer in order to enhance the visual beauty of clothing, the use of new ideas, new techniques to maximize the original situation to change the fabric, to stimulate the potential beauty of a fabric design techniques. In recent years, people's living standards continue to improve, followed by the pursuit of high quality of life desire is also increasing, a single change in clothing style can no longer meet the individual needs of consumers. Undoubtedly, fabric recycling has become a new standard for costume design. At the same time, the rapid development of science and technology for fabric recycling new forms and new content provides unlimited possibilities. Therefore, the fabric recycling is the product of the times, but also the main way of innovative clothing. This paper systematically describes the significance of fabric reengineering to the costume designer and the clothing itself, and comprehensively summarizes the fabric reclamation technique and its characteristics. Put forward the innovation of the 21st century fabric innovation, is to combine with the current social ideology, re-rational, heavy logic of the times have passed, heavy humanities, heavy personality, heavy diversification is the 21st century fabric recycling should grasp the main direction. Through the exposition and analysis of the successful application case of the fabric reworking technique in the costume design, the author points out the author 's point of view, and sums up the designer' s innovative design and how to use the innovative thinking and the way to grasp the overall trend of the fabric.

2.2 Social status

With the clothing consumer demand for a variety of types of rapid growth, different materials, clothing fabrics also came into being, the fabric market, more and more waste fabrics. The impact of these waste is also growing, and therefore more and more attention. In this paper, the concept of sustainable development of human society put forward the same concept should be respected in the design of clothing, and follow this trend for the fabric market of waste fabrics were studied and explored, to

explore the use of weaving such a design approach to rational use Waste fabric. The rational use of waste fabrics broadens the reach of clothing materials in the application process, but also enriches the designer's ideas, but also for people to bring a new way of life, in terms of sustainability also played a certain the positive role.

The rapid development of modern society and the emergence of new ways of life, greatly changed people's aesthetic psychology and consumer attitudes, which need to constantly change the clothing to meet their dress on the pursuit of more, and the development of the modern garment industry put forward New requirements. In the actual production and marketing operations, with the clothing brand competition is increasing, the development of clothing products in the use of fabric is even more important. In the original fabric finished on the basis of the second "fabric recycling", in fact, for the development of fabric style changes and the performance of clothing design provides a new way of thinking, has also become a test design innovation standard. Designers can often play their own creativity and imagination; the manufacturer will produce the shape of the various colors of fabric materials for manual transformation or "damage" to seek to change and enrich the performance of the fabric effect. In this paper, through the in-depth study of fabric recycling, to expand the fabric design of multiple thinking, to tap the creative potential, in order to enrich and master the latest manifestations of modern fashion design and means.

3. Types of fabric recycling in the context of sustainable development

3.1 Flat fabric to make three-dimensional effect

To embroidery, for example, embroidery is the traditional Chinese craft, with the manual way to create a variety of patterns on the fabric, it can make the clothing style changes, so as to achieve the purpose of the second design of the fabric. Today, embroidery in many big press conference, fashion show field, advanced customization has been used, popular. It is to achieve the fabric recycling at the same time also affect the world's aesthetic.

The concept of the supremacy of the total and ultimately support the media, embroidery in contemporary art, more as a material language or the idea of carrying the author of the media, embroidery in contemporary cultural landscape, to a certain extent, fit the "landscape" art of the conditions, for the traditional sense of the embroidery, it has a considerable rebellion and subversive. It is the "landscape" and related concepts involved, embroidery as a performance language of contemporary art, to another way. At the same time, embroidery art, whether or not in the "contemporary", its own unique language is also very gravitational, it can cross the two sides, delaying thinking, with a thread embroidered things in the table. In the contemporary, embroidery is no longer limited to its practical functions and decorative functions, embroidery media with the development of contemporary art design has undergone great changes from the traditional cloth and silk transferred to the body, wood, sponge, paper can even Food, etc., embroidery can also become a subversive and skeptical weapon. Embroidery of the emergence of various media for contemporary art design has injected new vitality and the possibility of embroidery from the visual has its unique side, in which the formation of two sides is more unique, embroidery of the two sides covered both the form and content, From other languages, embroidery more piercing ability, not concerned about the side can form a more abstract side, which extends out like "unreadability", "chance" and other concepts of thinking, these are the author in the creation of Part of the process of serious reflection.

3.2 Environmental protection materials

In 2007, the World Climate Conference in Copenhagen made it possible to reduce carbon emissions and protect the environment as "the last chance to save mankind" in the face of severe weather, climate warming and serious environmental pollution in the world. "Low carbon" then became the focus of the social vocabulary, how to achieve low-carbon economy, low-carbon consumption has become China's government and people concerned about the hot issues. Low carbon means saving energy, developing

new energy, and sustaining sustainable development. As one of the pillar industries of China's traditional clothing industry most of the raw materials of clothing is the oil products in the garment production process will bring a lot of textile raw materials, waste and water pollution, so the garment industry must change the previous design concept and production Way, take the road of low carbon environmental development.

Environmental fabrics generally refers to the natural, low-carbon energy-saving non-hazardous substances, recyclable fabrics. For example, natural cotton, wool, silk, hemp, and in recent years the development of bamboo fiber, colored cotton, etc. These are not extracted from the oil fabric, but can be recycled natural resources, if properly controlled, reasonable use can be reduced Environmental pollution, is the design of environmentally friendly clothing quality traditional fabrics. Natural fabric clothing can play a positive role in environmental protection, has always been favored by consumers.

3.3 Weave

As a fashion design often used in one of the decorative techniques of the weaving process is very long, can be traced back to the ancient human fishing net weaving, because of the continuous development of human civilization has become increasingly perfect, but also applied to the various human life aspect. Now the design field presents diversified development, weaving process is in various fields to show its unique visual enjoyment. In the costume design, the weaving process itself has a unique charm and artistic connotation.

In fact, weaving is also a kind of fabric recycling, the fabric cut into strips, you can weave, the formation of new fabrics. Weaving is an important preform molding technique. The weaving structure has the characteristics of non-stratified whole structure, continuous change along the weaving direction and complex forming of the composite structure, and has excellent performance such as impact resistance, anti-delamination and creep resistance. Woven fabric in the engineering, aerospace, automotive manufacturing and other fields widely used. The origin of the weaving process is much earlier than the original painting and writing in the human civilization. When people begin to have aesthetic consciousness, the weaving is about to be around. The beauty of the weaving process is the need for careful taste and slowly research, it runs through the historical development, and quietly in our lives everywhere. The development of contemporary jewelry, has long been out of the old decay and stereotypes.

3.4 Destroyed after the reorganization

With the improvement of people's living standards, people update the clothes too quickly caused a lot of waste of resources. Reduce the purchase of new clothes, the old clothes recycling, old clothes and new practice has become a way to practice low-carbon ideas, and become a people of insight is exploring a new profit model.

China also has the same design. FAKE NATOO brand founder Zhang Na as early as 2011 to carry out "recycling clothing bank" public welfare projects. Through the keen observation of daily life, she will be discarded or idle unused waste clothes and fabrics collected, hire laid-off workers to sort out the split to different categories; and then according to the thickness, color with a reasonable, re-stitch into a new fabric; Design, sewing into fashionable clothing. Visible, through the appropriate way, with the lowest cost of raw materials to design the environmentally friendly clothing can achieve the goal of economic benefits. These recycled clothing has a rich and wonderful fabric texture, unique personality aesthetic effect, the only, cannot copy the style, "recycling clothing bank" project has achieved very good economic and social benefits, access to most of the profits used Set up funds to help some laid-off women workers. Zhang Na to carry out the original intention of this project is to promote low-carbon concept, hoping through the nostalgia of people, to reduce waste of resources. Although these recycled clothing is not vigorous to the international, become a brand, but the designer unique style of innovative thinking, and fully implement the green concept, commendable.

4. The relationship between sustainable development and fabric reengineering

The original intention of sustainable development is to protect the ecological environment, promote harmony between man and nature, whether it is made of environmentally friendly materials, or re-processing of waste materials are the practice of protecting the environment, which will seek conspiracy.

Fabric recycling is a manifestation of sustainable development, it reduces the waste of resources, making clothing more interesting. In a common, small fabric, the designer of the different in the creation of a new look, to wear people are fresher, and then bring happiness, and ultimately confident to fashion.

On the basis of the theory and technical summary of the zero waste design, the zero waste design practice was carried out. The Austrian fabric was used as the sustainable fabric of the design and practice after the raw material, the analysis of the processing process and the basic performance test. Straightforward modern model for a zero waste of style and model design, integration of traditional cloud head pattern and modern hollow performance techniques, and ultimately can produce a series of zero-waste technology based on sustainable fashion.

5. Conclusion

Most of the raw materials of traditional clothing is petroleum products, in the garment production process will bring a lot of textile raw materials, waste and water pollution, the garment industry must change the previous design concepts and production methods, low carbon sustainable development. Fashion designers should be through the extensive use of natural environmental protection fabrics, low dyes and "recycling" fiber weaving fabric to design clothing, and vigorously promote the concept of environmental protection, and actively guide consumers to improve their understanding of environmentally friendly fiber clothing; through creative design Concept of clothing, to stimulate people love life, hope and harmony with the natural desire to convey to consumers the concept of environmental protection; old clothes new work to effectively reduce the waste of resources; design "zero waste" and "clothing wear" Improve the utilization of fabrics.

The rapid development of the field of clothing competition is fierce! Each designer is the pursuit of a unique personality style! In order to establish an invincible place! To create a wave of clothing in line with the fashion works of art! Is the pursuit of modern fashion designers "past one-sided Stressed that the color of the design method has gradually lost the market! Instead of fabric recycling to create a personalized costume design.

However, it should be noted that the design of the fabric in the process of re-design! Must first understand the various characteristics of materials, such as flexibility, ductility, etc., the formation of different properties of the material appearance, texture, different. Only in a comprehensive understanding and comparison, it is possible to maximize the use of good materials, so that it appears most in line with the public aesthetic rich color and visual effects and show a unique new look.

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