ISSN 2181-8622

Manufacturing technology problems

Scientific and Technical Journal Namangan Institute of Engineering and Technology

INDEX COPERNICUS INTERNATIONAL

Google Scholar Crossref doi SLIB.UZ Scientific library of Uzbekistan

Volume 9
Issue 1
2024

DEVELOPMENT OF MODEL LINES OF MEN'S TOP KNITTING ASSORTMENT

NABIDJANOVA NARGIZA NASIMJANOVNA

Professor of Namangan institute of textile Industry, Namangan, Uzbekistan
Phone: (0893) 671-0114, E-mail: nabidjanova74@mail.ru

AZIMOVA SAYYORA GULAMJANOVNA

Doctoral student of Namangan institute of textile Industry, Namangan, Uzbekistan
Phone: (0877) 277-7424, E-mail: sayyora_azimova@inbox.ru
Corresponding author.

Abstract: This article provides information on the model lines created for the design project of men's outerwear based on the combination of outerwear made from raw materials available in our Republic and useful waste fabrics from the cutting process in the leather industry. The type of textile fabrics, the combination of knitted and leather fabrics, the length, width and shape of the clothes were used in the creation of the model series of samples recommended for the development of sketch models of men's outerwear. As a result of scientific research for the development of sketchy model patterns of men's top knitwear, several structures, more informative elements in dressing the form of clothing, which are perceived as preliminary information for a series of constructive-unified andases of the form of clothing using lactic tissue fabric and leather waste, have been agitated. Outer knitwear made from raw materials available in our country and useful waste fabrics from the leather industry were obtained in the programmed series and based on them, a number of men's outerwear sketch models were developed in 3D format.

Keywords: project, design, model line, men's outerwear, horizontal, vertical, quality, index, clothing, assortment, tailoring, technology, economical.

Introduction. Currently, scientific researches aimed at expanding the types of knitted fabrics and improving the production process are being carried out around the world on the basis of resource-efficient technologies. In this direction, taking into account the physico-mechanical characteristics of knitted fabrics produced in our Republic and their quality indicators, many innovations are proposed to expand the range of fabrics made from different raw materials, as well as ready-made clothes. However, it is almost unknown that scientific research has been carried out on the improvement of the technology of sewing men's outerwear from knitted fabrics produced using natural raw materials grown in our country and their mixtures, and the creation of modern sketch model samples and clothing model lines. There is no information. On the basis of the above information, the creation of clothing model lines for the purpose of developing men's knitted outerwear sketch models is one of the current problems.

Methodology. The type of textile fabrics, the combination of knitted and leather fabrics, the length, width and shape of the clothes were used in the creation of the model series of samples recommended for the development of sketch models of men's outerwear. As a result of the scientific research carried out for the development of sketch models of men's outerwear, a number of structures that are accepted as initial information for the series of constructive-unified models of clothing form using rubber textile fabric and leather waste, the methods of creating the form of clothing more informative elements are extracted (Fig.1).

Figure 1. Basic silhouettes of clothes made of knitted fabric.

On the basis of the modeling of the structural elements of the form, the programmed series of outerwear was obtained from the model structural element. Figure 1 shows fragments of matrices, the basic silhouette shape and constructive-decorative divisions are their elements [1-5].

Results and discussions. Horizontal row 1 is a drawing of matrix model rows of several variants of modern style semi-fitted jackets of the same length for men (Fig. 1).

Horizontally, the 1st model of the 1st row consists of a half-fitting jacket with a turndown collar. The sleeves are long-sleeved, two side pockets on the front are recommended, and the single-breasted front is fastened with 3 buttons. The collar of the jacket, the end of the sleeves and the mouth of the cover pocket are decorated with leather fabric.

Horizontal row 1, model 2: semi-fitted jacket with a suit collar. The sleeves are long-sleeved, the flapped side pockets are recommended on both sides of the front, and the single-breasted front is fastened with 3 buttons. The lower part of the suit collar, pocket flaps and sleeve ends are decorated with leather fabric.

Horizontal row 1, model 3: semi-fitted, with a wide collar, a jacket with a stand-up collar. The sleeves are long, the front flap is recommended for two side slit pockets, and

the single-breasted front flap is fastened with 4 buttons. The stand-up collar, pocket flap and sleeve ends are decorated with leather fabric.

Horizontal row 1, model 4, a semi-fitted jacket with a full neck stand-up collar is recommended. The sleeves are long, and 4 small decorative buttons with leather cover are recommended for the ends of the sleeves (2 per sleeve). A large rectangular cover pocket is recommended on both sides of the front piece, and the single-breasted front piece is fastened with 4 buttons. The collar is decorated with leather.

Horizontally, the jacket shown in the 1st row, 5th model is designed with a half-close fit. The sleeve is long and has a turn-down jacket collar. The front panel is recommended with two side slit pockets, and the single-breasted front panel is fastened with 3 buttons. Reversible collar, pocket frame and center of sleeve are decorated with leather fabric.

In the 2nd row horizontally, there is a drawing of the rows of the matrix model of the men's jumper in several options (Fig. 1).

Horizontally, the 2nd row, the 1st model has a length up to the hip line and has a straight shape. The sleeves are long, with a slit, and a one-layer cuff with high elasticity is recommended for the end of the sleeve. Without a collar, the collar is designed in the form of a semicircle. The front part is fastened with buttons and it is recommended to have pockets on both sides. The collar, the front panel, the mouth of the cover pockets and the center of the sleeve are decorated with leather fabric. The 2nd row horizontally, the 2nd model is shoulder-length and has a straight cut. The sleeves are long, fitted, and a one-layer cuff with high elasticity at the end of the sleeve and the hem is recommended. The collar is designed in a triangular shape, and a narrow collar is recommended. The front piece is fastened with 3 rows of small buttons. The shawl collar is decorated with leather fabric.

Horizontally, the 2nd row, the 3rd model is 15-20 cm higher than the knee and has a straight cut. It has no collar, the collar is triangular in shape, and the sleeves are designed with long sleeves. The front piece is fastened with 1 large decorative button. It is recommended to use a lycra-based incomplete elastic fabric for the front piece along the collar. Leather fabric is recommended for the front two side lining pockets and elbow trim.

The 2nd horizontal row, the 4th model is shoulder-length and has a straight cut. The sleeves are long, with a slit, and a one-layer cuff with high elasticity is recommended for the end of the sleeve. The collar is designed in a triangular shape. The sharp-angled front part is fastened with 3 rows of small buttons. It is recommended to have a pocket with a frame on both sides of the front piece. The front piece along the collar, the seam of the lower sleeve and the pocket with the frame are decorated with leather fabric.

Horizontally, the 2nd row, the 5th model is 3-4 cm higher than the knee and has a straight cut. The sleeves are long, fitted, and a lycra-based incomplete elastic fabric is recommended for the sleeve end and front part. It is designed without a collar, with an open front, that is, without a fastener. The seam of attaching the sleeve to the shoulder,

the seam of the lower sleeve, the two side seams of the back and front pieces are decorated with leather fabric.

In the 3rd row horizontally, there is a drawing of the rows of the matrix model of the men's underwear in several options (Fig. 1).

Horizontally, the 3rd row, the 1st model has a length of 3-4 cm below the waist and is designed in a body-hugging style. It is recommended to use lycra-based non-woven elastic fabric for the shoulder and vertical collar. The front part has a zipper, and two side pockets are recommended.

Horizontally, the 3rd row, the 2nd model has a length up to the waist and is designed in a body-hugging style. Lycra-based non-woven fabric is recommended for the shoulder. Without a collar, the collar is designed in a triangular shape. The front piece is single-breasted and fastened with 3 rows of buttons. It is recommended to have flap pockets made of leather on both sides of the front part.

Horizontally, the 3rd row, the 3rd model has a length of 3-4 cm below the waist, and is designed in a half-close shape. It is recommended to use lycra-based non-woven fabric for the shoulder, triangular collar and hem.

Horizontally, the 3rd row, the 4th model has a length up to the waist and is designed in a body-hugging style. Lycra-based non-woven fabric is recommended for the shoulder. The collar is triangular in shape, and a narrow collar is recommended. The front piece is single-breasted and fastened with 3 rows of buttons. It is recommended to have flap pockets made of leather on both sides of the front part. Leather fabric is recommended as decoration for shawl collar, placket and button cover.

Horizontally, the 3rd row, the 5th model has a length up to the armpit line, and it is designed in a form that is half attached to the body. It is recommended to use lycra-based incomplete elastic fabric for the shoulder, semi-circular collar, and hem, and leather for the side seams of the front and back pieces.

Figure 2. Men's outerwear sketch model samples developed in Clo 3D program.

Based on the model lines obtained in the programmed series (Fig.1), a modern design project of a series of men's outerwear sketch models was developed in the Clo 3D program (Fig.2).

Conclusion. Outer knitwear made from raw materials available in our country and useful waste fabrics from the leather industry were obtained in the programmed series and based on them, a number of men's outerwear sketch models were developed in 3D format.

REFERENCES

1. Пармон Ф.М. Композиция костюма [Текст].- М.: Легпромбытиздат, 1985. - 264 с., с.63

2. Петушкова Г.И. Проектирование костюма:Учебник для ВУЗов. -2-е изд.- М.: Издательский центр «Академия», 2006. – 416 с.

3. KoivistoE., Mattila P.BrandManagementof 'NewLuxury': Case Saga Furs. [Text] //JournalofGlobalFashionMarketing. - 2012, Vol.3, Is.3. - P.135-145.

4. Гусева М.А., Андреева Е.Г., Мартынова А.И. Исследование конструктивных прибавок в меховых изделиях различных силуэтов // Дизайн и технологии. – 2016, № 52, С. 50-60.

5. Набижанова Н.Н. Разработка технологии и особенности проектирования нового ассортимента хлопко-шелковых верхних трикотажных изделий // Сборник материалов Республиканской научной конференции «Аспирантов, докторантов и стажеров» -Т: ТГТУ 2007. 1т. с. 78-81.

CONTENTS

PRIMARY PROCESSING OF COTTON, TEXTILE AND LIGHT INDUSTRY