

The effect of using decorative threads on the aesthetic aspect of women's fabrics produced on knitting machines according to the structural compositions

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Abstract:

Fancy Yarns is a term that is given to yarns with special effects, this yarn may be single or plied, and these effects can be added during the spinning process, plying process, or after producing the yarn, i.e. during the painting or printing process.

Producing fancy yarns aims to decorate the fabrics with which they are woven, and the use of fancy yarns helps the designer to present the best fancy innovations for woven fabrics, whether they are clothing or furniture fabrics. The use of fancy yarns helps acquiring the plain fabrics low cost fancy tactile effects.

The research depended on producing samples on single circular knitting machines using the four methods (descriptive method, symbolic method, cartographic method, and pictorial method), and this was made using four structures derived from the single jersey, then carrying out statistical analysis of the results of the directed questionnaire to specialists using Weighted arithmetic.

Statement problem:

- 1- The lack of use of circular knitting machines with tough cloth of wool in producing women's clothing fabrics.
- 2- The lack of studies related to the use of fancy yarns on circular single machines.

Research Objectives:

The research aims enforcement a total of modern designs on circular single machines with tough cloth of wool and with different structural structures.

Research Significance:

Providing an artistic and aesthetic value to the produced tough cloth of wool clothes on single jersey machines.

Research Methods:

The research follows the descriptive method of fancy yarns and the experimental method in carrying out a group of innovative designs using fancy yarns on circular single machines.

Research hypothesis:

- 1- Using fancy yarns has an aesthetic footprint in ladies fabrics produced on circular knitting machines with tough cloth of wool.
- 2- Using different structural structures has an aesthetic footprint in ladies fabrics produced on circular knitting machines with tough cloth of wool.

Key words:

(Fancy Yarns), (Circular Knitting Machine)

Fancy Yarns

“Decorative threads” are called by this name because they contain knots or buttonholes, and this is due to the placement of two basic threads, interspersed with a thread of another color, or of the same color, or more than one color. During the angle of the basic threads, this thread moves in a specific way to perform the task of fastening the buttonholes and the knots between them, and it is clear The thread that makes the decoration must have a different movement from the two main threads that are twisted together in the normal way.(2,1)

Results:

1. The possibility of making designs on round skewer machines using decorative threads.
2. The possibility of using decorative threads in the production of knitted fabrics meets fashion requirements.
3. The possibility of enriching the clothes produced on coarse-grained bell-singing machines with artistic and aesthetic value.

Recommendations:-

4. It is recommended that more studies be conducted on expanding the use of various decorative threads on round skewer machines.
5. Further studies are recommended on expanding the use of different structural compositions on circular knitting machines with coarse grooves for the production of women’s fabrics.

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