

A Study on Fashion Design Using Geometric Pattern

Kim, Shin-Woo* · Geum, Key-Sook**

*The Graduate School of Industrial Arts Hong-ik University

**Associate Professor, Dept. of Textile Art Hong-ik University

Geometrical pattern obtained by analyzing nature is the logical and rational basic pattern which is already including the order of nature. So, it is concise and gives clear sense visually. This geometrical pattern becomes the important motive to show modern image by being reconstituted through the works of various designers to show modern image by being reconstituted through the works of various designers after the 20th century in the design of dress and its ornaments, and it is being introduced by being formalized with diverse techniques and materials.

If this researcher tries to analyze the geometrical pattern which appeared in modern fashion, firstly, expression types are as follows:

1) It appears much in plane form mainly in the design of dress and its ornaments as geometrical pattern, but it gives the space sense to plane form by mixing geometrical pattern that sizes are different and same.

And, even in case of the surface of same geometrical pattern, as it is perceived linearly and slantly by arrangement structure, it gave quite different image. Besides, if we examine the number of use frequency of geometrical pattern which appeared in modern fashion, it appeared in the order of vertical stripe, horizontal stripe, plate of lattice pattern, slant line stripe, lozenge, quadrilateral, and triangle etc. And, it showed dynamic sense and flexible movement sense by being expressed with the color that the strong contrast against monochrome dress and its ornaments is made.

2) It showed dynamic sense and flexible movement sense by being expressed with the color that the strong contrast against monochrome dress and its ornaments is made.

3) It shows the strong plastic sense through the use of whole silhouette by showing the form of simple line or by being composed of

3dimensional and relief-characteristic form with geometrical silhouette. Then, silhouette to use circles were most, and the silhouette to use quadrilateral and triangle appeared in order.

4) It gives the feeling of relief characteristic by being used decoratively in a certain part of dress and its ornaments or spouting in 3-dimensional form as geometrical detailed decoration. Then, it appeared in sleeve most, and it was decorated in the order of front adjustment, color, bottom tuck, and pocket.

5) As for the expression method of geometrical pattern expressed in modern fashion, it appeared in the order of printing, quilting, piercetechnique, patchwork, weaving collage, and applique.

Then, the result that this researcher tried to analyze cases is as follows:

1) So as to relieve the simplicity and rigidity that geometrical pattern has, this researcher maximized tactile textile and visual illusion effect by trying various texture contrast.

2) Above expression method which appeared in modern clothing may be explained as the distortion of material to be used in dress and its ornaments as one of 3-dimensional expressionism features. And, it causes unexpectedness and disharmony by the introduction of new and experimental material and it shows a kind of grotesque to have one side of play at the same time. As the result of above study, geometrical pattern which appeared in modern fashion has plastic beauty such as simplicity, notice nature, repeat nature, and originality etc. And, to analyze fashion image, this researcher could reason that it is including the meaning of contrary concept of intellectual image, futuristic image and traditional image.