

Using OP. Art Pattern in Fashion Design -Emphasis on Works of Vasarely-

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I . Introduction

Art, which has undergone various changes with the times and social environment, has now taken on various forms and methods of expression. There has taken place a wide range of creative activities of art thanks to newly developed techniques in art and scientific development in computer science.

Through the 19th century, movements to attempt to establish new patterns of plastic art have been made incessantly. Aesthetic function of representation from the individual point of view plays a great role in the art of fashion, because fashion, which is essentially different from other forms of art in the light of its expressing object, expresses not its creator but a person who is getting dressed.

These movements in plastic art have had a significant influence on many designer's concept on fashion and they have been trying to make use of techniques as Vasarely did.

The purpose of this research is to study how to take a position the optical art in the field of fashion art and to focus on retinal pattern which frequently appeared in fabric pattern in the sixties.

II . Designing Methods

1 Inspiration

Recently, optical artists separate color and basic emotional characteristics to deal with pure characteristics of color, and it has no connection with their emotional expression or symbolic value. They have also developed the art that give influence on human's vision and universal physiology.

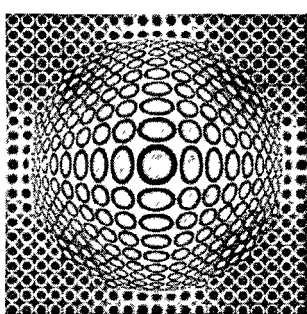
Victor Vasarely, one of these optical artists, developed optical art to the level of art for the public through a combination of universal art forms and visual art forms. He originated the notion of plastic units. From this, he made formative letters and applied them in various ways.

In this research, I inquired into the applicable possibility of the new perceptible designs in

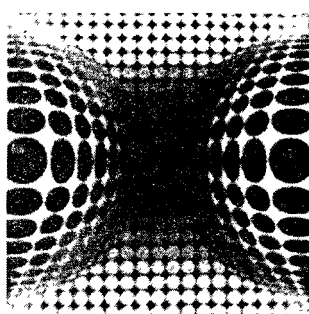
fashion design through making Vasarely's popular factors as motive. In this design, I endeavored to form the space with the fusion of rational and objective formative units and the proportion which is created newly on the human's proportion through his precise form of formative units and 'illusion' with units' compounding, and originate the psychological correction effect which operates upon the human body through the expression which is formed by the quantity and aspect of double space.

2. Visual Effect and Media

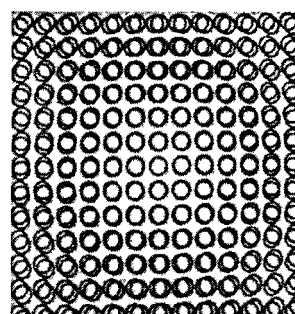
In this design, the pattern is changed by human action line and stimulates the interest that is visually continued, so it can show optical illusion effect. From this, I endeavor to induce the way through new and fresh design that has not only human sensation of movement, but also the pattern's sensation of movement.



<Picture 1>



<Picture 2>



<Picture 3>

The picture which is selected in this design is applied as the selected work that has a lot of sensation of movement among other works of Vasarely.

Namely, the consecutive moves, which have seen due to eye's height and angle and two mutual complementary images, make other images.

The design is made to the fantastic and optical works by transparent underwear's pattern which is transmitted due to clear silk chiffon on the hemp textile.

III. Result

1. Work I

Under Wear : Sheath Gown typed work of Dolman Sleeve by using the pattern in picture 1 is designed as more vivid work by cubic pattern in the breast part. It is made by patched work which made of silk patch piece in color stage.

Over Wear : This is half coat type work, which is printed by silk screen of outline to make the overlapping pattern through naturally transmitting of underwear pattern.

2. Work II

Under Wear : This is a design focused on the right and left wing and hip, the same design to Work I by using pattern in the picture 2. It is work to pursue more gorgeous feeling by contrasting orange color and deep blue color.

Over Wear : This is the same design to Overwear in Work I, but is made as camless sleeve in circle wing, to show the pattern in the hip part by cutting from neck line to waist line.



<Front of Work I, II>



<Back of Work I, II>

IV. Conclusion

In this design research, I have attempted to achieve the following effects.

1. Three dimensional effect on the plane surface.
2. Effect of fantastic optical illusion by the method of double image making use of similar transparent pattern.
3. Effect of motion illusion by the method of diffusion and concentration of small pattern elements.
4. New perceptual effect by interaction between pattern and its background.

Last, I argue that we should increase our awareness and understanding of the importance of plastic art as it appeals to our aesthetic sense.

Reference

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