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"Utilizing Twill Weaves to design upholstery fabrics characterized by optical illusion"

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Abstract:

The research studies the aesthetics of applying the twill weaves and their derivatives on upholstery fabrics to confirm the property of optical illusion in the implemented designs.

One of the most crucial elements in capturing the consumer's attention and effectively promoting the product, alongside the attributes required to produce the efficient functional performance of the textile, is the aesthetic appearance of the textile. One of the most crucial elements that allows for the evaluation and preference of certain fabrics over others is the aesthetic effects on the textile's surface. In order to confirm the optical art component in the designs, this research concentrated on the realization of a collection of upholstery fabric designs employing twill weaves and its variants on a jacquard loom. The best results were chosen from a total of 40 questionnaires.

Keywords:

Twill Weaves - optical illusion - design of upholstery fabrics.

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