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Design systems for visual fraud are a source of innovation for printed fabric designs

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Abstract:

The study investigates the art of visual deception in terms of its origin, foundations and laws, and how to use this art in the development of the design thought of the designer, and take advantage of the theories of this art in the various areas of manufacturing to find innovative creative solutions. The most important of these areas is "printed fabrics" where the designer faces many problems in printed fabrics that require the development of appropriate solutions to achieve both utilitarian and aesthetic function and to provide psychological and functional comfort to man. The role of the designer in this research was through the development of some design solutions in the framework of the use of the theories of the art of visual deception, which are the technical treatment of printed fabrics and the sense of spatial depth and the breadth of inspiration, and the implementation of these designs on printed fabrics. It plays its part in completing the aesthetic form of furniture, as the printed upholstery is one of the important interior decoration elements.

Statement of the Problem:

Innovative treatments in furnishings require new design techniques and techniques that can add a new spirit in general and address the design problems facing the designer in finding solutions and inventing new designs that keep up with the times and different techniques to keep pace with the general market and to satisfy the consumer and achieve great purchasing power. The motivation to think about how to reach To creative design solutions through the use of the art of visual deception and theories and employment in the design of upholstery fabrics by studying the art of visual deception in the fields of visual arts of all kinds and artists. The problem is summarized in the following two questions:

- How can you create designs for upholstery fabrics through the theories of the art of visual deception and satisfy the general market and achieve high purchasing power?
- How can the spatial depth and wideness of the interior decoration be achieved by providing designs through the design systems of the visual illusion?

Research Objectives :

- Use the art of visual deception in the designs of printed upholstery fabrics.
- Creating designs from the works of some artists of visual deception.
- The development of technical treatments through the sense of the depth of the vacuum as one of the elements of interior decoration.

Methodology

- Analytical approach: through the study of some selections of the art of visual deception of some artists of the twentieth century and the innovation of the designs of interior decoration fabrics.
- Application approach: Some applications of designs inspired by the art of visual deception on printed fabrics

Introduction: Since the second half of the twentieth century and the art of printing textiles is moving steadily towards progress, like other arts that have changed with the nature of the era to imitate the development of knowledge in all fields and derived from science to the origin of creativity of the artist, and also launched several modern art schools that were affected by progress and development incident In this era as a reaction to the interaction of the artist with his age, expressing the most important issues. Among these modern art schools that have appeared in the School of Visual Deception, which is an extension of engineering abstraction. Which aims to create paintings that suggest the aesthetic values of movement, silence and depth and to invent designs that have deceptive visual effects and inspired by the emergence and the embodiment, despite the flattening of the art painting. In this context, the art of visual deception is an abstract art geometrically linking scientific theories and modern art of scientific data To produce designs and solutions based on color, color and shape The art of visual deception has many areas, the most important of which is the field of furniture design, which is the field of innovation and the search for the most appropriate solutions that can be followed to reach the goal, which is the best choice for interior furnishing and décor. And the breadth of furniture The art of visual deception is one of the latest trends in this field. Visual deception is defined as visual deception. It is a dynamic characteristic that evokes images that are oscillating. And a sense of movement in the viewer, and the verbal statement here applies to the work of two dimensions and three dimensions that reveal the ability of the eye to see Visual deception is a variable motor sensation based on the illusion of vision, a mechanical sense of vision in the process of perception itself, and the resulting vibrations of vision, which in turn, a kind of movement, and is dependent on the retina to cause mental confusion at moments fast, Some cases confirm themselves as fact, and this confusion is the difference between visual confusion and the realization of the physical properties of the matter, ie the obvious difference between personal information and objective facts The illusion of visual engineering is an illusion that involves distorting the size, shape and direction. The illusions here refer to phenomena that contain specific systematic errors where sufficient evidence is available for correct perceptions. The term is used to describe the broadest categories of illusions, including deception of light, and shapes in geometric illusions when compared to those Of visual art, and in the interpretation of the phenomenon of visual deception is the relationship that determines what we see That is, visual deception is achieved when the eye tries with the mind to compensate for the differences between what the vision device and what the mind accepts as its form suitable for what the individual sees. In fact, the method Visual art is a phenomenon unique to this art from the other trends of modern art thanks to modern scientific development, which gave artists the opportunity to get out of the natural forms with specific topics.

Research Results:

- 1 - The development of new designs that keep pace with the general market and consumer taste using engineering elements.
- 2 - The art of visual deception includes many elements and shapes to give the depth of the interior decoration of the interior and keep pace with the modern market.
- 3 - Combining the theories of visual deception and the design of printed upholstery fabrics resulting in designs to achieve the widest range of interior decoration.

Recommendations:

- 1- Expanding the study of the modern production techniques for furniture in general and especially the design of the fabric printer with visual deception for the global competition in furniture design.
- 2 - Studying new printing methods that achieve visual deception in modern designs.