

## **Inspiring some elements of folk art to prepare contemporary geometric decorative designs (student experiment)**

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### **Abstract:**

Folk art is considered one of the richest arts as it expresses the people, their beliefs, their lives and all the patterns of their living behavior and conveyed to us in abundance through art and its decorative elements. Preserving the Egyptian folk cultural heritage is one of the goals of the contemporary artist as he tries to express his artistic and cultural heritage in new and contemporary ways, so the current research By linking the folk arts and the structural systems of engineering grids by investing the principles of engineering in the design of engineering grids, as it is considered one of the broadest structural systems used in the construction of decorative design since ancient artistic times until the present time. The design was done through a student experiment on a sample of design students in the fourth year. The experiment aimed to train students to create decorative designs based on the geometric grid system, through which students can apply the aesthetic rules of design in an easy and simple way. The creation of the grid relied on the elements of Egyptian folk art as a heritage art It is original and was specifically chosen for its simplicity and geometric abstraction and its reduction to details and shade A light that makes its decorative elements suitable as a contemporary decorative geometric grids building unit

### **Keywords:**

elements of folk art ,decorative designs ,geometric grids

### **An Introduction**

Folk art is one of the richest arts, as it expresses the people, their beliefs, their lives, and all the patterns of their living behavior. It has been conveyed to us in abundance through art and its decorative elements. Preserving the popular cultural heritage is one of the goals of the contemporary artist, as he tries to express his artistic and cultural heritage in new and contemporary ways that are different from what the artist presented. Folk art in the past, expressing its identity and conveying the beauty of folk art with its elements, colors and all aspects of the artistic formation followed in it. Folk art is the result of a combination of a number of factors to produce popular culture, and among those factors is the artist's life, environment, work, methods of celebration and beliefs, which provided art with many symbols and distinctive elements that differ differently. cultures.

It is possible to invest the popular cultural heritage, which is represented in folk art of elements, colors and shapes in preparing decorative designs based on the system of geometric lattices, as "geometry and the golden ratio are often used in art, architecture and design as a way to perceive and to produce aesthetically pleasing compositions instead of being a principle for the further development of visual cohesion and as a basis for For rational decisions in the design

process..... Geometry is one of the oldest sciences and a branch of mathematics that has been used since antiquity in Greece and Egypt in particular applications resulting from the inspiration of the golden ratio, "phi" in architecture and design as a guiding principle for the taste of beauty for artists and architects And designers (such as Leonardo da Vinci, Le Corbusier, A. Cassander, designers such as Dita Rams and Jonathan Ive) have carefully and rationally integrated geometry into their work” (1:11).

The investment of engineering principles is clear and evident when preparing engineering networks, as it is considered one of the broadest and deepest structural systems used in building decorative design since ancient artistic times until our present time, and it is an important and effective way to teach design as it helps the student to apply many rules of beauty in design from poise and rhythm In a multi-way and applied in an easy and simple way through specific steps that do not require a great deal of creativity as much as it depends on the successive experimentation of network building methods and methods of organizing and repetition of units and elements, so the current research conducted a student experiment on a sample of design students in the fourth year. The experiment aimed at training students to create Decorative designs based on the system of geometric lattices, through which students can apply the aesthetic rules of design in an easy and simple way. The creation of the lattice relied on the elements of Egyptian folk art as an authentic heritage art and was specifically chosen for its simplicity and geometric abstraction and its reduction to details and shade of light, making its decorative elements suitable to be a unit Contemporary decorative geometric lattice building

### **Force search**

The search assumes the following:

Contemporary decorative designs based on geometric lattices can be prepared by drawing inspiration from folk art elements through a student experience.

### **research importance**

The importance of the research is due to:

- Studying geometric grids and ways to create them, as it makes it easier for students to achieve balance, rhythm, and other aesthetic values in organized and simple ways, as the structural structure of geometric grids must contain a specific system and format necessarily updated with its own balance and rhythm and varies according to the different grids, so it is easy to study geometric grids for students Achieving balance and rhythm, while it requires the student to master and knowledge of creative skills, especially when achieving rhythm and free balance in decorative designs, which may be difficult for him some thing and can be avoided when implementing engineering networks after taking specific operational steps

Overcoming some design problems, such as the problem of how to solve the flat space in the design. The geometric grid provides various opportunities for dividing the surface according to specific mathematical and aesthetic proportions.

- The importance of the research is also due to the rooting of the study of folk art as a cultural heritage that carries the identity of the Egyptian culture, and it is worth using its decorative vocabulary in the implementation of contemporary decorative designs

research aims

The research aims to create contemporary decorative designs based on geometric lattices using elements of folk art as a building unit.

## Results

The results of the research reached to verify the validity of the hypothesis and that it is possible to prepare contemporary decorative designs based on geometric lattices by drawing inspiration from the elements of folk art through a student experience.

## Recommendations

The researcher recommends studying more geometric grid systems, whether inspired by traditional arts or inspired by nature, as an entry point for teaching decorative design.

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