

he concept and characteristics of abstraction in Islamic art and its impact on the development of contemporary designs in the field of designing Architectural iron works

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Abstract:

Abstraction in Islamic art is the basis on which this artistic heritage is built on its heritage and the diversity of its fields, and this research study examined the factors affecting the formation of this artistic style.

In Islamic civilization, as well as the most important mechanisms, vocabulary and characteristics of the abstract method in Islamic art.

The research problem has crystallized in how to benefit from the intellectual premises and artistic methods of Islamic artistic heritage as a source of contemporary creativity in the field of design in general and in particular in the field of designing architectural iron works.

The research aimed at contemporary design solutions in the field of designing decorative ironwork, based in its origins on philosophy and design characteristics of abstraction in Islamic art.

The research boundaries included conducting an analytical study of the philosophy of abstraction in Islamic art, its design mechanisms and the possibility of benefiting from it in the field of designing iron works.

The research methodology was based on two research methodologies:

The first: (descriptive analytical method) to collect and analyze information related to the research topic.

The second: (experimental approach) to develop innovative designs in the field of designing architectural iron works based on the design principles of abstraction in Islamic art.

The research included two main axes:

The first axis: It includes studying the philosophy and characteristics of design in Islamic art.

The second axis: Basics of architectural iron works design according to the design characteristics of abstraction in Islamic art

The research study reached a proposal for a set of innovative designs in the field of designing iron ore works by making use of the design characteristics and principles of abstraction in Islamic art. The study also concluded that:

The abstract decorative vocabulary of Islamic art represented building units of a standard style, which enabled the use of these units in the formulation of artistic and design works in the diversity of their fields in Islamic art, as well as the possibility of employing those standard decorative vocabulary in contemporary design works of architectural ironwork.

The research study recommended the importance of studying historical and contemporary artistic models with the aim of enriching creative thinking in the field of design in general and in particular in the field of iron works design .

Keywords:

abstraction, Islamic art, architectural iron works

Introduction:

Islamic art has been linked to the ideological foundations and the intellectual frameworks that formed the conscience of the Muslim person. The Islamic belief influenced the Muslim artist's handling of his artistic and design work according to his religious beliefs, which forbade diagnosis and simulation of nature and assets. Islamic art has an abstract tendency not based on the direct transfer of nature and assets, as the Muslim artist tended to find a world of abstract formulations in his artistic and design works deduced from his contemplative vision of the universe N, and then Islamic art has been based on the abstraction, which gave it its specificity as well as within its immortality and made it an eternal human heritage of Arab and Islamic civilization. The current research deals with a study of the philosophy and characteristics of abstract thought in Islamic art with the aim of enriching design thought in the field of designing iron works.

Research Subject

The research problem is determined by how to take advantage of the intellectual starting points and technical methods of Islamic artistic heritage as a source of contemporary creativity in the field of design in general and in particular in the field of ironwork design.

Research Objective:

The research aims to find design solutions based on employing the foundations and characteristics of abstraction in Islamic art as intellectual starting points for contemporary design formulations in the field of ironwork design.

Research Limits

The research is determined in conducting an analytical study of the philosophy and characteristics of abstraction in Islamic art and the possibility of benefiting from these characteristics in setting contemporary design solutions in the field of architectural iron works design.

Research Methodology

This research study is based on two research methods

1-Descriptive analytical method: to collect and analyze information on the subject of research to extract the most important foundations and principles upon which abstract thought was based on Islamic art.

2-The experimental approach: in the possibility of developing and formulating innovative design ideas in the field of designing iron works based on the intellectual philosophy of abstraction and the authentic originality of Islamic art.

Research Parameter:

To achieve the research goal, this study addressed two research pivots:

The first axis: the philosophy and characteristics of abstraction in Islamic art.

The second axis: the basics of designing architectural iron works in light of the design characteristics of abstraction in Islamic art.

Results:

Through the analytical study of abstraction in Islamic art and its impact on the design of architectural ironwork;

It can be concluded the most important mechanisms and characteristics that can be used as data and design bases in building and formulating innovative design works in the field of architectural iron works, and these data are:

1-Employing the simplification and modification mechanisms by using the formalities of deletion and addition.

Merging and mixing plant and engineering elements, as well as the process of engineering division in formulating abstract decorative vocabulary, which represents the building units in building various design formulas for architectural iron works.

2-Employing the engineering and partitioning mechanism in dividing the total areas of the design work into groups of molecular spaces within engineering network systems.

3-Relying on engineering network systems as structural systems that have the potential to achieve the spread of a single or more decorative objects in all directions and in the form of tight repetitions within a proportional, calculated framework.

4-Drafting various design ideas by changing the pattern of repeating decorative vocabulary within the building systems.

The lattice has interchangeable positions among the solid, the blank, the shape, the floor, and is governed by the rules of rhythmic repetition, according to the system of group building.

These data formed the basis for formulating a group of **designs in the field of architectural ironwork design, the study also reached the following results:**

1-The abstract thought in Islamic art was formed as a direct result of the Muslim artist's interaction with the Islamic faith that prohibits the natural simulation of living creatures.

2-The contemplative vision of the Muslim artist crystallized a special philosophy in the formulation of the art, so his designing and artistic works were translated and inspired by abstract and symbolic expression of the systems of movement, continuity and unity in the universe.

3 - Like the progress in engineering and mathematics in Islamic civilization, the main tool in formulating artistic and design works according to the philosophy of abstract thought in Islamic art.

4- Islamic plant and engineering motifs are the fruit and tributaries of abstract thought in Islamic art. These motifs have been employed in abstract formulations in various fields of application of Islamic art.

5- The abstract style of Islamic art produced decorative vocabulary with a typical and standard nature as a result of the simplification, modification, division, and engineering fractional processes, which enabled the employment of these decorative vocabulary in design formulations that correspond to the various spaces and voids in addition to the ability to implement on various diverse mineral ores.

Recommendations:

This research study recommends an analytical study of the traditional and contemporary artistic styles with the aim of: Forming the culture and artistic personality of the designer- Enriching and developing creative thinking in the field of - designing and iron works.

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