

The influence of interactive design on architectural thought for contemporary architecture glass

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Abstract:

After the scientific development that was the result of studies carried out by many researchers and scientists, there were new concepts that included all fields of scientific knowledge, so the old principles and what were referred to them for postulates were replaced by new concepts that are more accurate, objective and compatible with the requirements of the age, as the beginning of the emergence of what is known as interactive design in The late eighties of the twentieth century, and it was originally called (soft face), then the term was later reformulated to interactive design, especially as we live in an era of globalization, the new world order, the information revolution and the tremendous technological advancement enjoyed by Western countries.

So there has become a great interest in research to consolidate the relationship between interactive design and the computer as one of the technological products most closely related to interactive design, due to the direct relationship between the computer and the user and the extent of interaction between them. Creative, cultural, and scientific and the extent to which this affects the recipient.

Whereas, the interaction process is one of the most important requirements that start with the beginning of the design idea and remain in place to achieve communication between the design and the recipient in the framework of achieving its usage requirements.

In light of technological progress and with the expansion of the employment of advanced technology to suit the continuous development in the functional characteristics of the various and advanced uses of glass, the need for advanced technology and new types of glass, which is reactive glass, has emerged, which makes it usable in many industrial and advanced technological fields such as "areas of architecture such as architectural facades." It can also be used in interior architectural elements.

Hence, the research tries to emphasize the application of advanced technology to interactive glass in contemporary architecture internally and externally, and to show the role of glass designers and architects in their interaction with modern technology, which affects their design ideas with a contemporary vision.

Keywords:

Interactive design ‘architectural thought ‘contemporary architecture

Introduction

The research problem appears, which can be summarized in an attempt to answer the following question:

How can glass designers and architects make use of advanced technologies and technologies in innovative interactive designs for contemporary architecture glass?

Research Goal:

1. Make use of the interactive design technology and its applications in contemporary architecture glass
2. Development of the innovative process of glass designers and architects through their interaction with modern technology

Research Importance :

Emphasizing the role of interactive design in glass and its importance in changing the ideas of contemporary architecture designers

In order to reach the goal and solve the research problem, the following studies must be done:

First: Study what is interactive design and its impact on architectural thought

Second: - Interactive design technology

Third: - The applied and design study

Results :-

- 1- The clarity of the architectural thought affected by the interactive design tools and its ability to realize the ideas, for some people say that the form has come to follow the tool, and the tool has become allowing everything the designer desires to obtain an interactive product that achieves fun and efficient use
- 2- Interactive design has a major and effective role in developing the design process of architecture externally and internally as a whole. In human development, it emerged to what extent the architectural work system has changed into an interactive system that works through digital integration.

Recommendations: -

The necessity of developing the design awareness of the glass designer by studying the technological methods used to apply the interactive design of interior architecture glass and paying attention to e-learning to help visualize the creativity process when designing

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