

أثر استخدام النظام الخوارزمي على توليد الأفكار في التصميم الداخلي والأثاث

The Effect of Using the Algorithm System on the Generate Ideas in Interior Design and Furniture

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Abstract :

The digital techniques of the present age affect the process of representing design, architectural drawing and interior design, which was done by hand , In the beginning, the use of computer programs was limited to drawing the idea that was drawn by the designer before, and then converted to digital style to show only the raw materials and lighting proposed , But the development of the impact of digital technologies and affects the design process itself, now most architects and interior designers use software programs to develop ideas and not just to draw or express them , These programs can also coordinate several data types and types of information that are provided to the program to be smooth and consistent forms, This has made it possible to create organic and dynamic forms in a structured and organized way, which helped to move these ideas from the imagination of the designer into reality , These forms are generated using different computer systems such as Algorithm System, which depends on the storage of specific information about the environment or any other source that may affect the design by converting this information into equations or graphs and then applied to the design to change its shape, All this led to the generation of new ideas and patterns of designs that did not exist before, such as digital design, Folding, Parametric, Topology, Fluid and others, so the research is interested in studying the Algorithm system to illustrate its effect on the production and generation of ideas in the field of interior design and furniture.

Keywords:

Algorithm System - Ideas Generate- Fluid Architecture - Topological Architecture.