

مردود تقنيات البناء والإضافة والمحاكاة على التصميم الداخلي والأثاث
(المسح الضوئي , الطباعة ثلاثية الأبعاد)

**The return of building techniques, addition and simulation on interior
design and furniture**

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Abstract

Design is a state of coexistence between the designer and user with space in which the origin of a space dimensions. To reach the spatial mass of the interior design environment. Looking at the structure of the design, we see that there is a dependence on the principles of construction and addition for space to create the mass, reduction and deletion of the block already to reach the final form This is in addition to taking into account other elements including material and technology, , which will put the design in the framework of facilitating the user to reach the design status within the framework of the function , both theoretical , aesthetic and psychological design

In some cases, the designer collides with the problem of dialogue between the structural formation and the structural technique of design. Of the liberation of this composition and creativity ,

Or that Formal formation Overwhelmed on the utilitarian and sustainable use,

This is reflected in architectural and internal design based on organic and curved lines and furniture We find that some traditional methods with raw material put some obstacles to the embodiment of the design idea In the various fields of industry, the emergence of techniques that adopt the concept of 2D and 3D coordinates has recently been shown in parallel Which is the basis of the concept of addition as the situation in the printers triangular Or the concept of reduction as well as in the three-dimensional raster and the three-dimensional scanning techniques Which enables simulation of the design in combination with the above techniques (Nanotechnology)

In the embodiment of the creativity design according to specific in the materials to be used.

The research aims at shedding light on the possibility of the embodiment idea of interior design and furniture through modern technologies, And related to the advanced industries to achieve a successful design in terms of formality, construction and economic . It can be applied to the principle of quantitative production With the aim of developing the national economy While preserving cultural heritage and making use of the academic field. . In this study, the results of construction techniques, addition and simulation of 3D scanning and printing.