

Topology as a way of creativity and innovation in the design process

Dr Maha El sayed

Abstract:

Due to the scientific and technological progress, and after the digital revolution, new design trends have emerged, based on new foundations and ideas in terms of form and content cannot be reached by the designer under the tools of traditional design. Here is the problem of research in the lack of usage of available modern technologies to develop the design process, to access creativity in design. So this research aims to shed light on the way of topology as one of the modern trends of digital design, and to clarify its features and studies to what extent it is able to create creative and innovative effects in the design process to develop them to fit with future dimensions. Also the aim of the research is to find a creative complementarity between topology and the design process. And the knowledge of standards and concepts of design under the scope of philosophy of the way of topology, which in turn affects the interior space formally and functionally, and creates methods for the development of interior and exterior architectural design. The research deals with the origin and concept of topology and its role in design through the study of examples that illustrate the achievement of the topological direction of the values of creativity and innovation in the design process.

Key Words:

Topology - Creativity - Innovation - Design Process.