الأساليب التصميمية في تطبيق علم الهندسة الكسرية "الفراكتال" في تصميم طباعة أقمشة السيدات

Design methods in the application of fractal geometry in design of women printed fabrics

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Abstract:

Design is one of the important activities for which the designer studies many different sciences, artistic and philosophical theories, and the most important stages of design. The stage of conceptualization is a form of design that is important and influential in the design building, Achieves functional and aesthetic value. At this stage, the designer adopts a structural, engineering or organic formula to achieve functional and aesthetic value. Fractal Geometry has been credited with the systematic description of natural systems consisting of complex systems that can only be quantified by understanding the dynamics of the relationship between them in the larger system and by examining the whole system, Patterns and Fractal Geometry can play a major role in the development of new forms for the beauty of textile printing design in general, and the design of the printing of ladies' fabrics in particular. This paper provides a brief description of fractional geometry theory and its relation to nature and surface textures and their relationship to design and application in the field of textile printing.

Keywords:

- fractal geometry, Self-Similarity, Fracty Dimension, Replacement Rule

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