

Towards innovative Formation in interior design According to the application of Chaos Theory

Dr/ Fatma Ahmed Mohamed Hussein

Lecturer at the Department of Interior Design & Furniture - Faculty of Applied Arts - Beni-Suef University

Fatmaelatar@hotmail.com

Dr/ Mohamed Moheyeldin Mahmoud

Lecturer at the Department of Industrial Design - Faculty of Applied Arts Beni-Suef University

moheyeldin_mohamed@hotmail.com

Abstract:

Over the years, many theories of learning have emerged, trying to explain the various movements and behaviors of objects around us, and find the relationship between these objects and their causes. Starting from the behavioral theory that studied the human behavior, passing through the theory of prediction where a compatible result could be predicted from any single action, till reaching the Chaos Theory.

As Being able to explain a number of issues that the previous scientific theories stood still without having any reason or definition for such issues, Chaos theory has attracted a great attention by its ability to find a link between disparate things, or anticipating the interrelationships among them, even if looking random, and following non-linear paths, but repeated in such an organized and nearly symmetrical way as if they were attracted back to a specific point of attraction.

In an attempt to reach the seemingly invisible system of phenomena, behaviors, or movements, The Chaos Theory try to construct some rules needed for its study and utilization of its applications. Representing the practical application of the Chaos Theory, Fractal Geometry could be used to formulate a wide range of design innovations in interior, furniture design and their complementary products either in the field of interior design or the field of product design.

Research Query:

To what extent is it possible to use the applications of Chaos theory in the interior, furniture design and their complementary products?

Research Objectives:

1. Defining of Chaos theory and Fractal Geometry as being the application of Chaos theory, and their role in interior, furniture design and their complementary products.
2. The way of using Fractal geometrical forms and their creative potentials in finding different and innovative solutions in interior, furniture design and their additives and complementary products leading to a non limited collection of modern and contemporary products

Hypothesis:

Scientific studies of mathematical and philosophical theories could offer various, innovative solutions that could meet the user needs in the field of interior design & furniture and its complementary products.

Research Methodology:

Descriptive analytical method is used relying on the compiling, comparing and analyzing of information and facts in order to get acceptable perceptions, ideas and considerations.

Keywords: Chaos Theory – Interior Design – Innovative Formulation.