

Quantum Theory as an Introduction to Enriching Designs for printed hanging textiles

Dr. Reham Mohamed Abd-Elsalam

Lecturer at the Department of Textile Printing, Dyeing and Finishing, Faculty of Applied Arts, Helwan University

reham2roro@hotmail.com

Abstract:

The twentieth century witnessed the beginning of Revolution in Contemporary arts. Technological revolution and scientific progress open new horizons linking Artistic field with technology and its application in artistic creativity field. So modern scientific revolution in various sciences, especially physics, helped to change the concept of structure according to the emergence of scientific theories that explain it. which is no longer confined to the external manifestations of forms in nature, but expanded to include the internal structural systems of forms and laws according to nature grows; Through simple or complex mathematical relationships that link science and art together in a balanced way through a physical engineering system that allowed the textile printing designer to establish designs with a new, contemporary thought that is out of the ordinary; based on cosmic phenomena patterns, making these designs has a special artistic,dynamic character. Modern theories like quantum theory studies the structure of transformation and the combination of more than one variable of form to express its transformations across time and space.

It presents new design approaches in engineering structure with structural systems that change its (temporal-spatial) structure and its resulting systems,various geometric patterns that vary between flatness, anthropomorphism, breadth and depth, and other patterns of cosmic phenomena resulting from the space; And how to take advantage of that theory in providing printed designs suitable for hanging fabrics and obtaining many different design ideas from the same design based on the quantum theory and its scientific basics to have variables by changing surrounding conditions.

Keywords:

Quantum Theory ,Designs for printed, Hanging textiles