

The Aesthetics of String Theory Design Structure as a Source for Innovating Creative Metal Pendants

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Abstract

Nature, with its laws and systems latent within the smallest cells and particles of matter, is full of wonderful structural and aesthetic syntheses, which are utilized by the artist to build many linear, colorful or tactile rhythms. Technological development and recent discoveries of science have affected many areas that led to the expansion of vision and the emergence of new and advanced concepts that have affected art and its philosophy, which in turn has led to changing the aesthetic standards of artistic work based on experimentation, discovery, analysis, interpretation and other tools of scientific research in order to link art technological development and recent discoveries. So, it is necessary for the arts in all its fields, and metalworking in particular, to find new approaches that combine modern discoveries with the field of metalworking.

String theory is one of the cosmic theories that explains all natural phenomena. It unifies laws related to phenomena on the cosmic level, whether related to bodies or objects. It is an emerging theory that combines the geometry of time and space based on the theory of relativity as well as quantum theory and dimensional multiplicity theory

The current research tackles enriching the educational field for students of the Art Education Department at the Faculty of Specific Education, Kafr El-Sheikh University, through the metalworking course, to create modern Art metal pendants that bear in their nature the idea of string theory, including various intellectual premises that enrich artistic taste and stimulate imagination and mental activity among students.

Keywords:

String Theory, Relativity Theory, Quantum theory, Metal Pendants