The applications of origami art using 3D digital printing technology in design fashion

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Abstract:

Art is the ability of man to express himself or translate his feelings and describe what surrounds him in different forms, technology is the tools, products, treatments and organizations that man uses to increase his creative abilities and possibilities in the implementation of the work of art, although it does not add an imprint that distinguishes him from others cannot be considered creativity in the known sense, creativity is a new, useful and authentic production that draws attention and distinguishes each artist from others through his artistic creations in the use of art and technology together. Despite the rapid development of technology, the many benefits that it adds to art in general, there is a controversy that has abounded between artists and creators about the relationship of art to technology, some of them consider that aesthetic values have fallen and fall in the face of technology and others consider that technology has created new aesthetic values. Therefore, the study and the idea of research focused on how to take advantage of the features of origami art with 3D digital printing techniques and the extent to which the possibility of creating 3D fashion designs in a mannequin way to extract innovative designs from the features of origami art with 3D printing techniques through the concrete and tangible form of designs, and how to adapt modern technology to create designs that correspond to the technological development of the prevailing fashion., the research focused on describing sensory and mental features and the use of technology that helps the designer of fashion, as well as the study of designers for some Modern fashion using 3D printing techniques, studying the features of origami art, fashion design and the foundations of composition on the mannequin, and studying 3D printing and the most important companies producing them and the materials used. to take advantage of them in the implementation process.

Keywords:

Technology - Design on the mannequin - 3D printing - Origami art.