

Formtography as reproduction without molds in the world of digital sculpture and its role in solving the obstacles of traditional sculpture

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- **Abstract:**

It has recently appeared in several new terms on sculpture, and soon began to spread such as Digital Clay, Virtual Sculpture, Digital Sculpture, and perhaps the most important and the most recent of which was the study of the Formtography as reproduction without molds. The study presents the technique of the Formtography, the techniques and the tools based on it, and some actual applications in which the Formtography technique was used to solve some of the problems faced by the sculptor by traditional techniques and methods

- **Keywords:**

. Digital Sculpture- Formtography-3D printing- 3D scanner - Archaeological sculptures

- **Statement of the problem:**

Can formulate a research problem in the following question:

Are the modern techniques associated with the formatography, a role in solving the problems and obstacles faced by the sculptor while using conventional techniques?

- **Hypothesis of the study**

Research suggests that

Formtography in the world of digital sculpture has a real role in solving the problems of the implementation of complex designs and difficult to implement in traditional ways.

- **Objective of the study:**

The research aims to

View and analyze the role of (Formtography) reproduction without templates in solving operational problems of complex designs, which are difficult to implement traditional methods.

- **The importance of study:**

- sheds light on the latest techniques in the works of reproduction without the templates in the world of digital sculpture.

- Some of the developments that are taking place in the world are now in the technical fields associated with the arts in general and sculpture in particular.

- **Research Methodology:**

The research follows the analytical descriptive method.