

Third Laureate Innovation

◆ **Project title:** 3D warping in the Iranian carpet board picture

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Abstract:

This technology of new phenomenon relates to sacred Iran basic art.

The framework and cord of carpet in long years has been similar and uniform. This unique phenomenon has been appeared structural variation in its geometric dimensions in addition to respect to tradition principle of carpet cording, so during several years of evaluation and in practice it has been exploited of special physical structure by a kind of geometry method and constituted unit workstation by five cording frameworks. For creating of this uniform workstation, peripheral frameworks connector (margins) concerned angles equal rate has been calculated and drew geometrical plot based on considered angle then the cording happened by using of protractor in direction of model angle.

Evolved result of this phenomenon (after passing some experimental stages) appears in one carpet framework. Uniform workstation structure and its cording lasted around 5 months. Because of yarn interference and mix in workstation structure and its complexity, this trend is a very hard and difficult phenomenon.

The natural paint has been used in the material including silk fibers and cream of silk and the fleece used.