

## Geometry, the language of Manifestation of Tabriz School's Mystical Thoughts in Architecture (Case Study: Dome of Soltanieh)

**Authors :** Lida Balilan, Dariush Sattarzadeh, Rana Koorepaz

**Abstract :** In the Ilkhanid era, the mystical school of Tabriz manifested itself as an art school in various aspects, including miniatures, architecture, urban planning and design, simultaneously with the expansion of the many sciences of its time. In this era, mysticism, both in form and in poetry and prose, as well as in works of art reached its peak. Mysticism, as an inner belief and thought, brought the audience to the artistic and aesthetical view using allegorical and symbolic expression of the religion and had a direct impact on the formation of the intellectual and cultural layers of the society. At the same time, Mystic school of Tabriz could create a symbolic and allegorical language to create magnificent works of architecture with the expansion of science in various fields and using various sciences such as mathematics, geometry, science of numbers and by Abjad letters. In this era, geometry is the middle link between mysticism and architecture and it is divided into two categories, including intellectual and sensory geometry and based on its function. Soltaniyeh dome is one of the prominent buildings of the Tabriz school with the shrine land use. In this article, information is collected using a historical-interpretive method and the results are analyzed using an analytical-comparative method. The results of the study suggest that the designers and builders of the Soltaniyeh dome have used shapes, colors, numbers, letters and words in the form of motifs, geometric patterns as well as lines and writings in levels and layers ranging from plans to decorations and arrays for architectural symbolization and encryption to express and transmit mystical ideas.

**Keywords :** geometry, Tabriz school, mystical thoughts, dome of Soltaniyeh

**Conference Title :** ICIHADD 2023 : International Conference on Islamic Heritage Architecture, Decoration and Design

**Conference Location :** Vancouver, Canada

**Conference Dates :** May 22-23, 2023