

Dome surface adornment designing methods in Iranian architecture

Seyed Masoud Mousavizade¹, Farnoosh Daneshpanah²

Abstract The surface of the architectural forms represents the form quality. Dome is a known architectural form in Iranian architecture. Typically the surfaces of Iranian domes are adorned. The patterns in Iranian architecture have a different definition than what is known in the western architecture. These patterns originate from geometry of the form; they are not paintings on the surfaces. Studies about dome geometrical genesis show the pattern designer how to decorate while constructing or cladding the dome. The domes layout and cladding modulation system originate from the geometry and construction system of the shape. There is a special measurement and dividing method for dome surfaces which achieves a drawing pattern subsystem. This article attempts to show how the designers apply this special method. And also how the designers use adornment to create different definitions for a dome, or manipulate the main definitions of it.

Keywords Dome, Iranian architecture, adornment, pattern, decoration, geometry, manipulation

¹ Department of Architecture, Islamic Azad University, Khorasgan *Branch*, Esfahan, Iran.

²SAMA technical and vocational training schools, Islamic Azad University, Khorasgan Branch, Esfahan, Iran.