

The Study of Dome Structure in Iran's Architecture

Ehsan Gholamzadeh

Abstract First we try to introduce various types of domes in Iran and include: "Nar Dome", "Rok Dome", "Kharposhta Dome" and "Orchin Dome" Then the evolutional path of constructing domes in different historical periods will be studied and contains the study of the vaults and dome in Iran's architecture before Islam and Iran's architecture during Islamic periods. There are six architecture styles in Iran and include Persian and Parthian style which are related to the pre-Islam and also Khorasani, Razi, Azeri, and Esfahani styles during Islamic era. Besides, the climatic properties will be considered. Finally we should mention that the creative architect of Iran can show his art perfectly, and we can summarize the mystery of this success in the following:

- The use of the geometry and proportion in dome design.
- Using new materials and technology in construction of dome.
- Dome design as a climatic strategy in Iran.

Keywords dome and vault, construction technology, Iran architecture.