

# **Ridged domes (step-step) in the historical architectural content of humid climate in Iran and its contemporary usage**

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**Abstract** In Iranian architecture dome is not only a simple coverage for large spaces, but also according to different climatic zones of the country, and according to the common architecture of the region, different shapes of dome are introduced. Ridged domes with small section in area and tall height are specific for warm and humid regions of Iran (in such of the country). Shape and form of the dome is so that, it can resist against severe rains. The popularity of domes of this kind is so that, it is known as a specification of the architecture of the region. In this paper, we will try to identify the creation and usage of this kind of dome and compare it with other kinds of popular domes in traditional Iranian architecture studying the specifications of this kind of dome, including shape, form, structure and the climatic zone specific to the dome. Furthermore possibility and method of using domes of this kind in modern Iranian architecture will be studied and its role in modern buildings will be identified.

**Keywords** ridged dome, architectural element, specific form, warm and humid climate zone, Iran.