

Domed roofs of Egypt: past and present

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Abstract

Domed roofs were known with their different shapes across ages in Egypt. Egypt had a splendid opportunity through the different civilizations to use such domed roofs since Old Egyptian, Greek, Roman, Coptic and Islamic architecture till the modern era.

There were several solutions for construction techniques that depend on the transformation from the square into the quadrant then into the circle that carries the circular form of the dome.

The idea of this paper emerged due to the richness of architectural Egyptian heritage in using domed and vaulted roofs. It traces the development of domes and vaults historically through the different civilizations in Egypt with their different construction methods through discussing the influence of domed and vaulted roofs through ancient Egyptian heritage acquired in civilizations and its impact on the identity of buildings in contemporary architecture.

Finally, the aim of the paper is to document the development of domed roofs through civilizations and their influences on contemporary architecture in the modern era in Egypt.

Keywords earth, domes, vaults, neo vernacular architecture