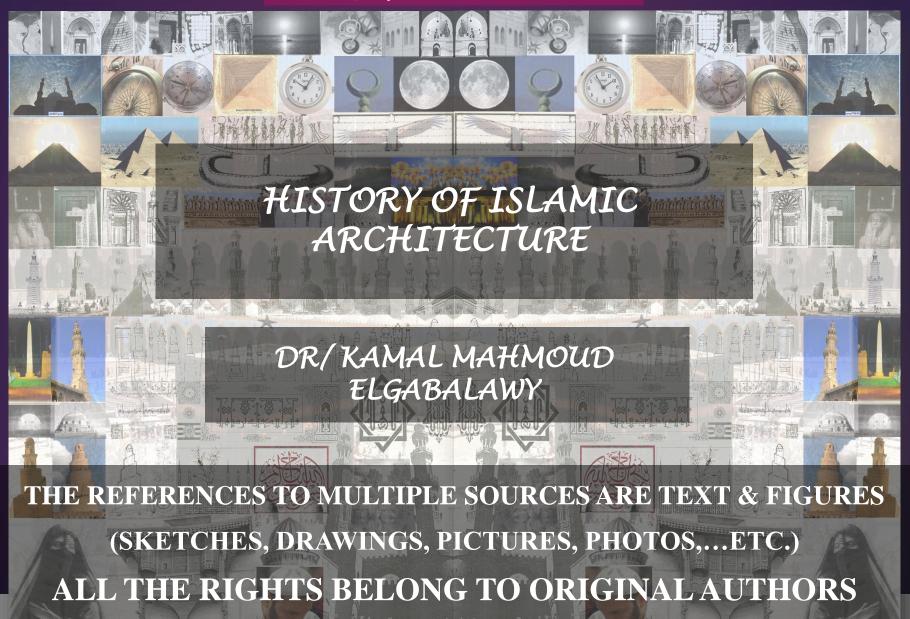
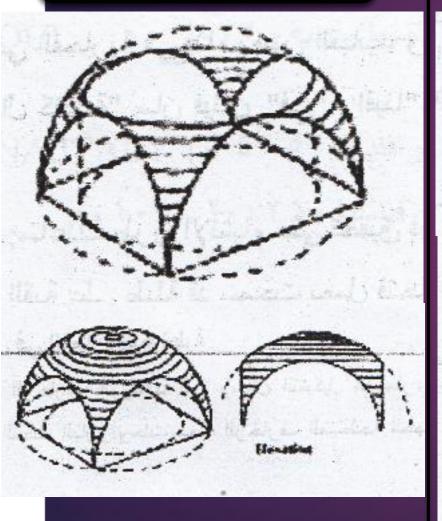
#### HISTORY OF ARCHITECTURE

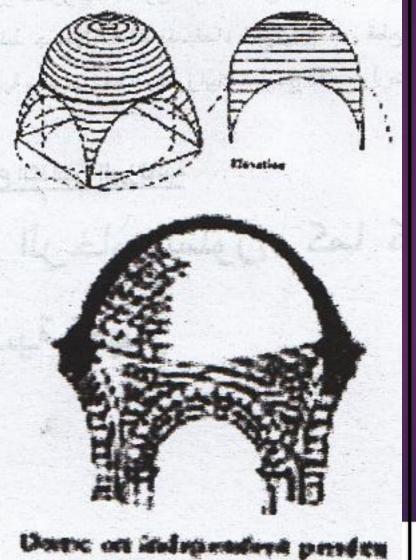
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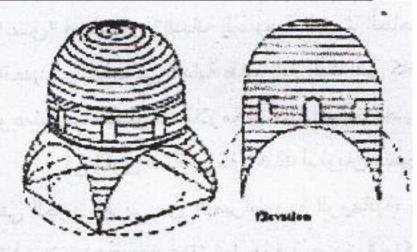
## Simple Dome



# Dome supported on pendentive



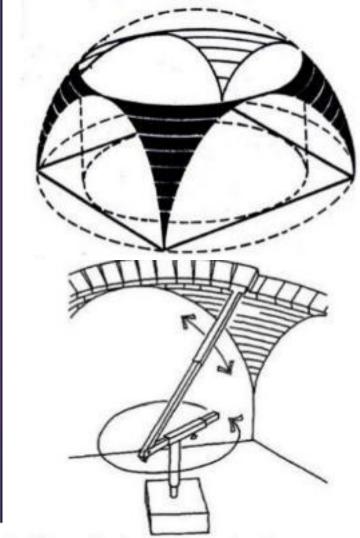
### Dome with drum





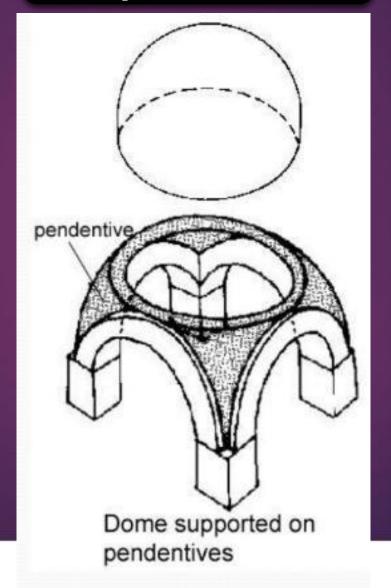
Section durangs the doors of the chart of other, abouting thick, on her of hemse doors to form greade-dram

## Simple Dome

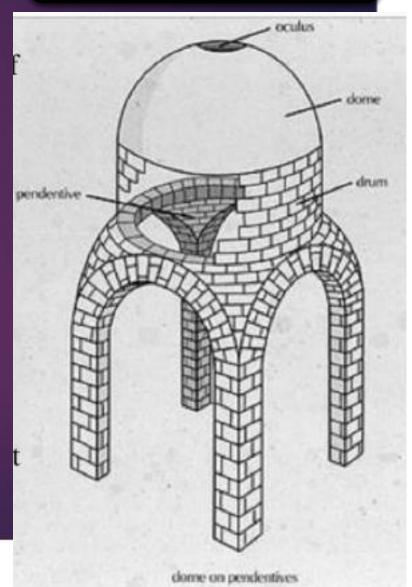


building of a dome on pendentives

## Dome supported on pendentive



## Dome supported on squinches



#### a. Simple

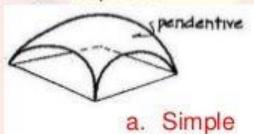
Pendentives and domes are part of the same sphere.

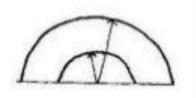
#### b. Compound

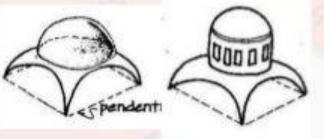
 The dome is not part of the same sphere as the pendentives and domes rises independently upon them.

2. The dome is raised on a high drum

pierced with windows.





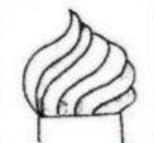




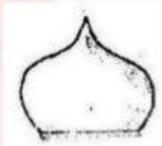
#### c. Special designs



melon dome- dome with convolutions



2.Serrated

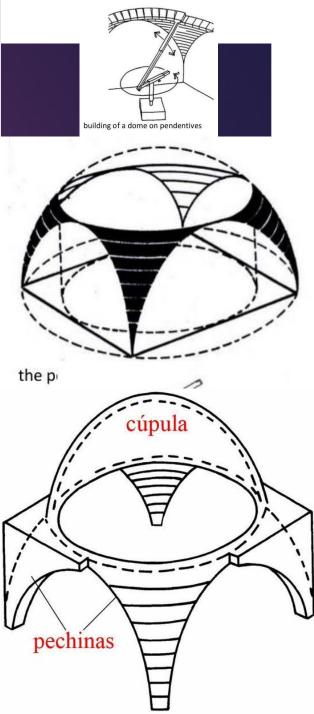


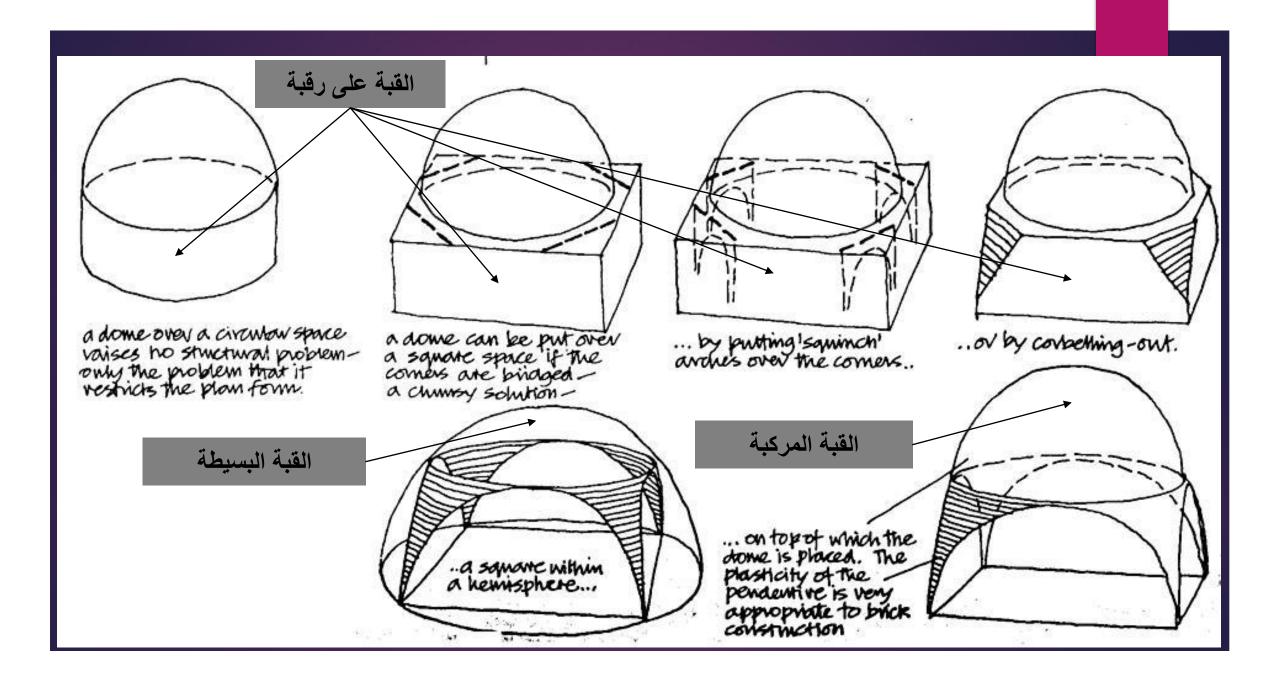
Compound

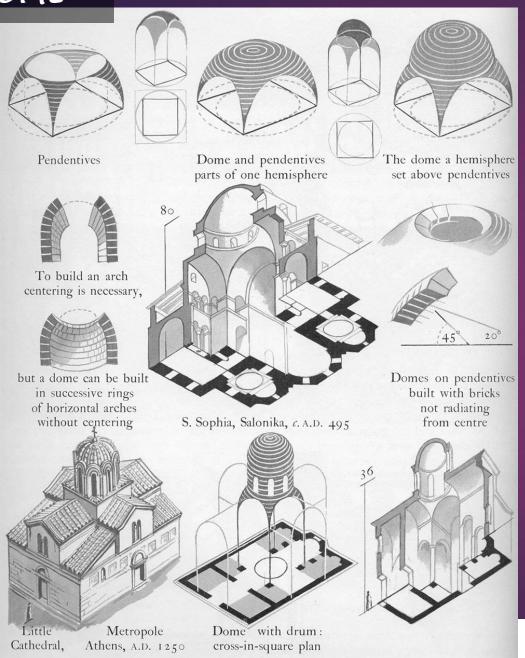
3. Onion or Bulbous sharp







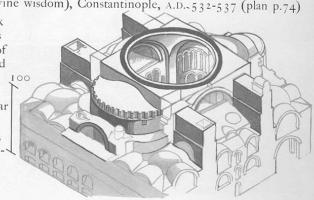


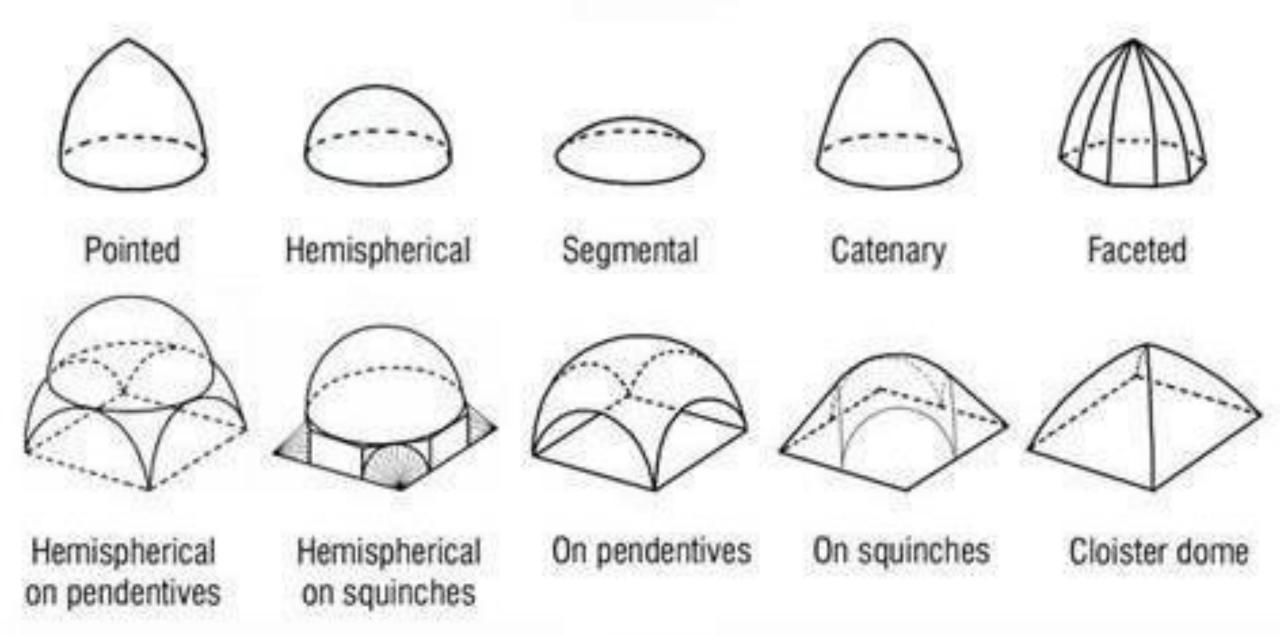


## DOMES ON PENDENTIVES section showing angles of bricks Bronze rings A, tie-rods B to resist pressure

S. Sophia (Hagia Sophia = divine wisdom), Constantinople, A.D.-532-537 (plan p.74)

Built for Justinian by two Greek architects, Anthemius of Tralles and Isodorus of Miletus. Built of brick; the dome probably erected without centering, with bricks about 24-27 inches square and 2 inches thick laid in deep mortar and covered with \(\frac{1}{4}\) inch lead; the dome supported on 4 piers, the thrust being taken by 2 semidomes and 4 massive buttresses; the interior lined throughout in coloured marbles and mosaics





### DOMES

#### HISTORY OF ARCHITECTURE

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