

العمارة في العصور الوسطى (الرومانسิก - القوطي) (٤٠٠-١٤٠٠ م)

Architecture (Romanesque - Gothic)
(400-1400 CE)

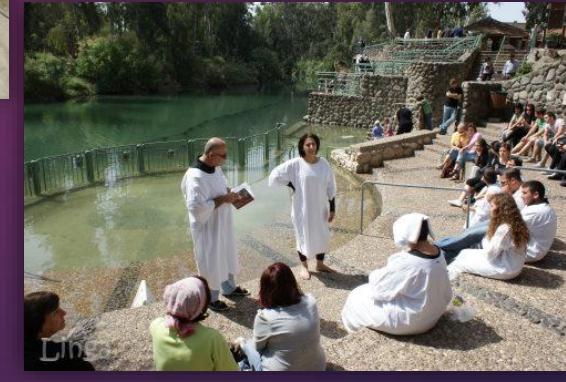
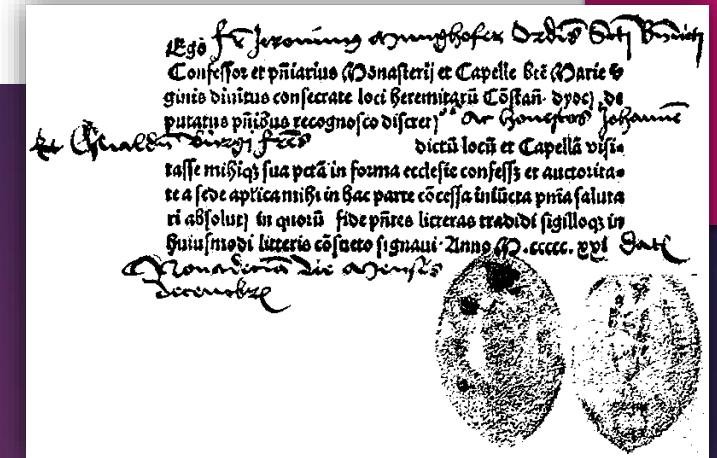
Dr. Kamal Elgabalawy

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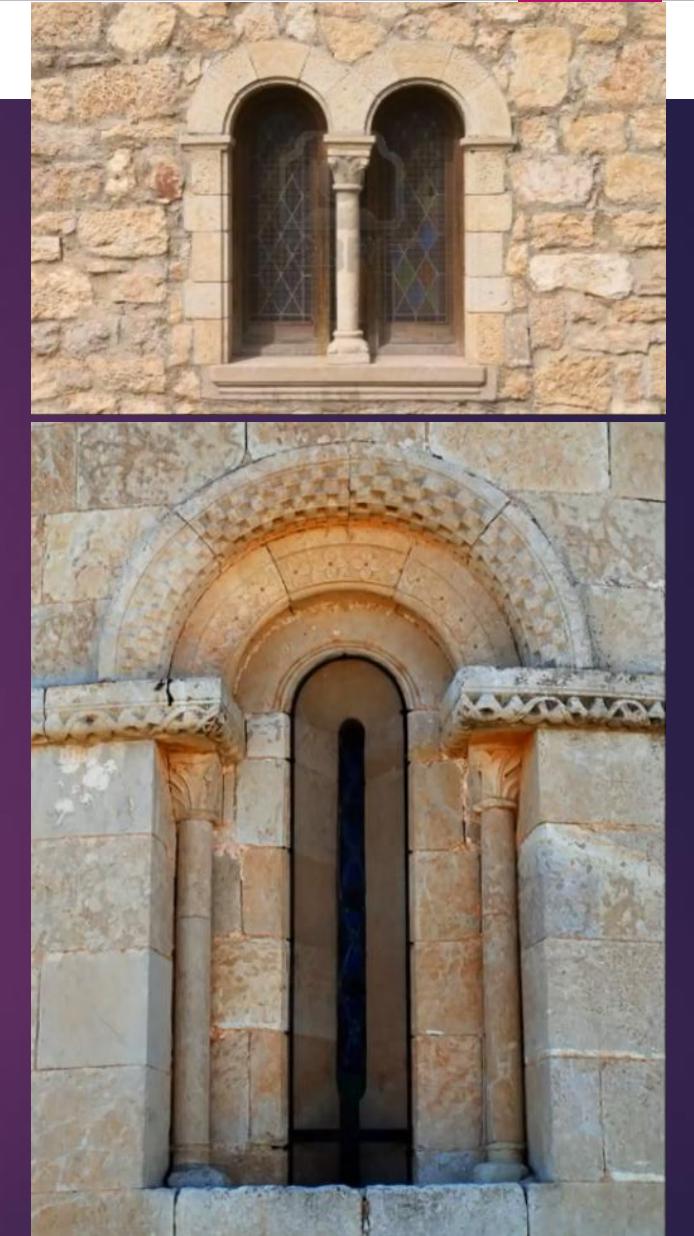
Romanesque style



Romanesque style

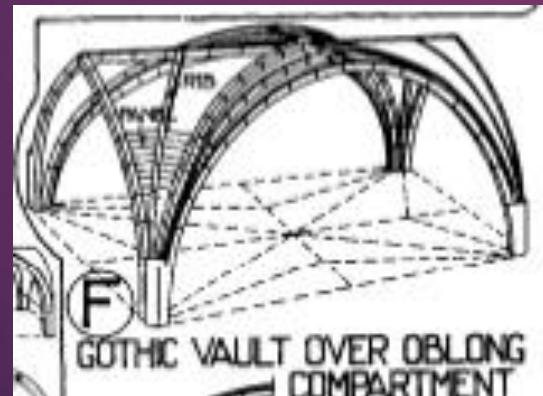
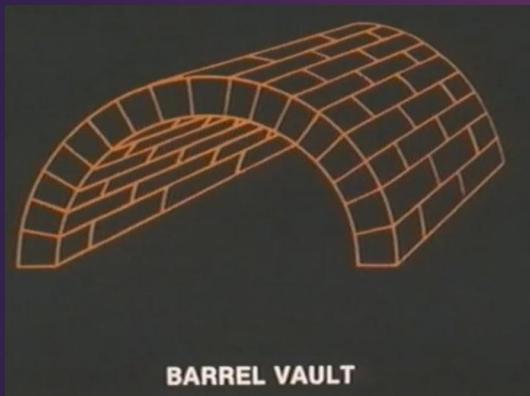
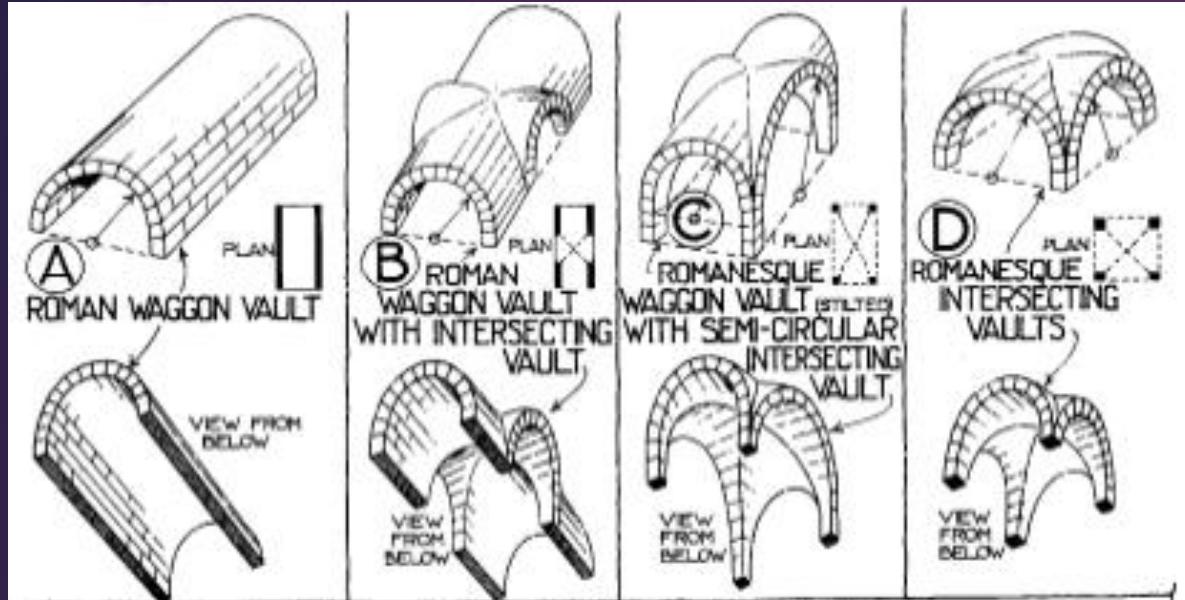


Rounded arch
roof



Small windows and not
very much stained glass

Romanesque style



Mostly barrel-vaults, some
groin-vaults.



Large pillars inside of
buildings

Romanesque style

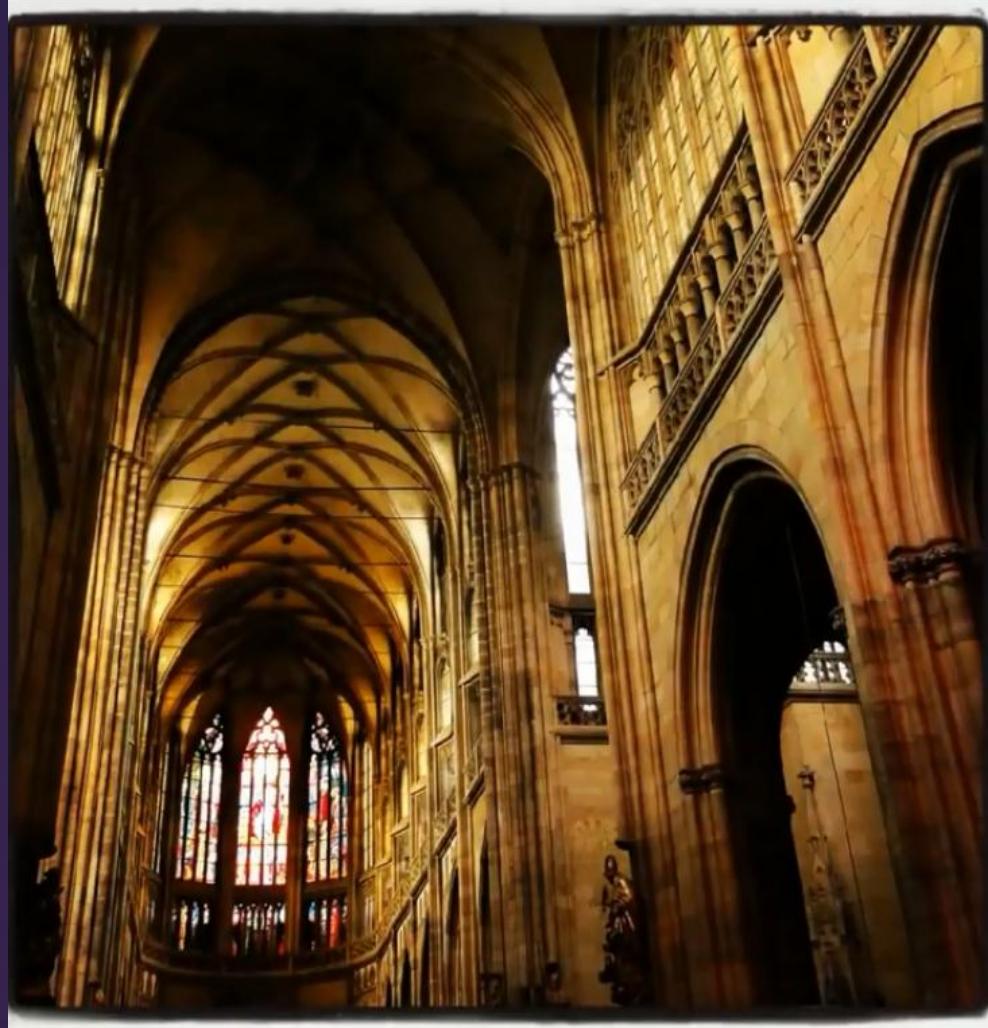


Huge pillars for structural support

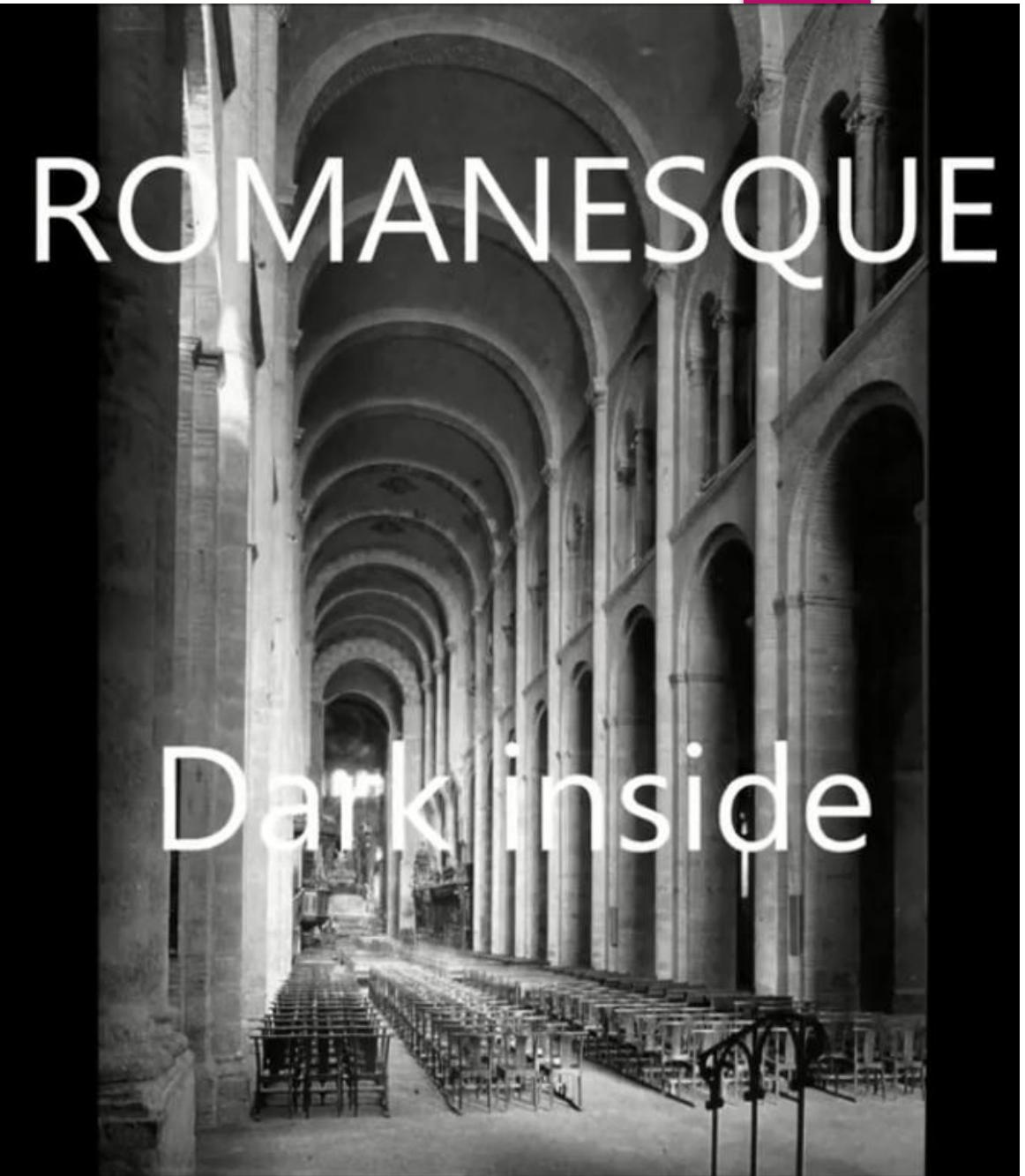


Less decoration on exteriors

Romanesque style



Dark inside



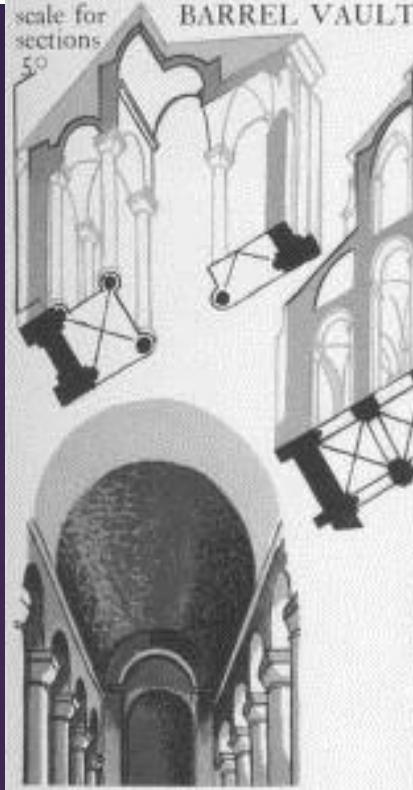
ROMANESQUE
Dark inside

Romanesque style

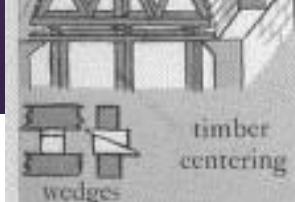
ROMANESQUE

scale for sections
50

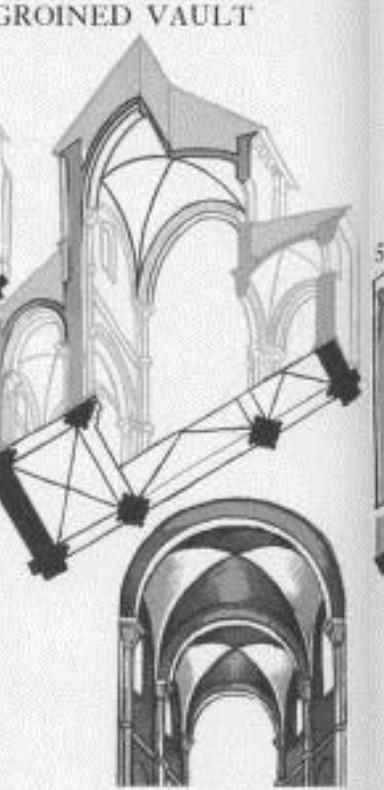
BARREL VAULTS



S. Savin-sur-Gartempe,
c. 1060-1115



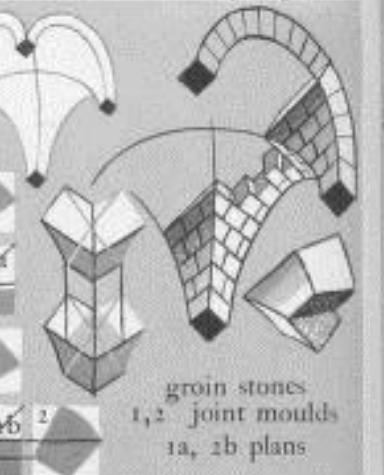
GROINED VAULT



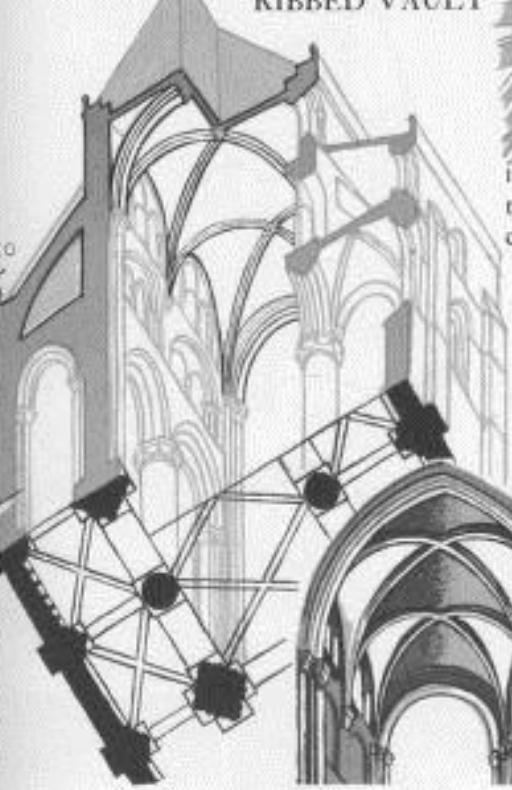
S. Sernin, Toulouse,
1080-1096



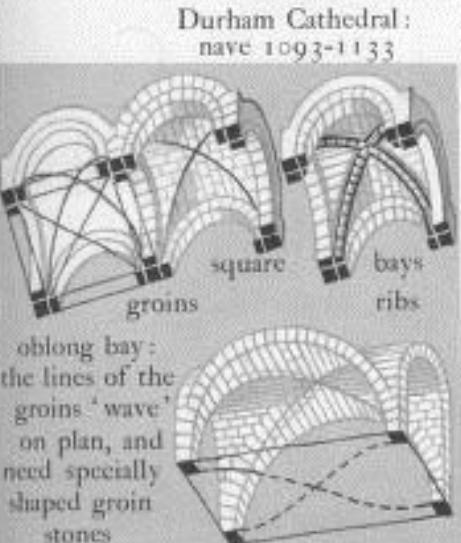
S. Madelaine, Vézelay,
c. 1104-1132



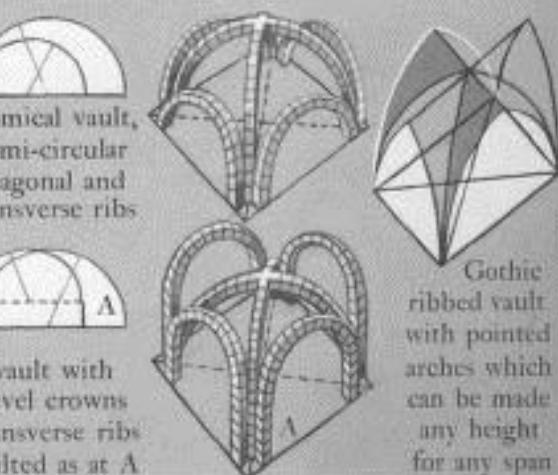
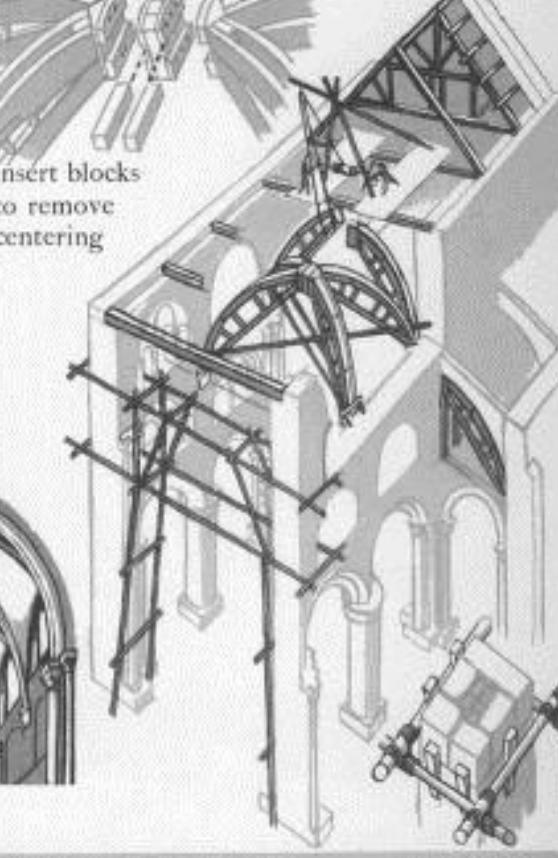
groin stones
1, 2 joint moulds
1a, 2b plans



RIBBED VAULT



oblong bay:
the lines of the
groins 'wave'
on plan, and
need specially
shaped groin
stones



domical vault,
semi-circular
diagonal and
transverse ribs

Gothic
ribbed vault
with pointed
arches which
can be made
any height
for any span

STONE VAULTING

insert blocks
to remove
centering

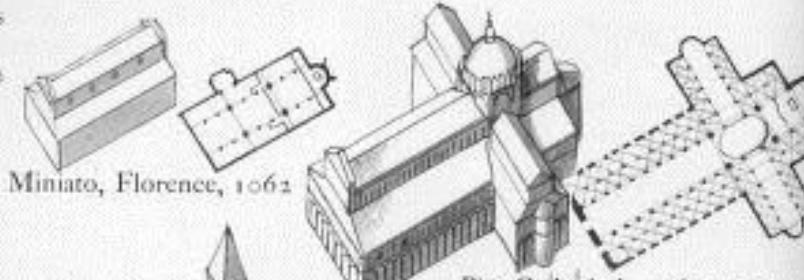
Romanesque style

ROMANESQUE

plans and elevations
to the same scale

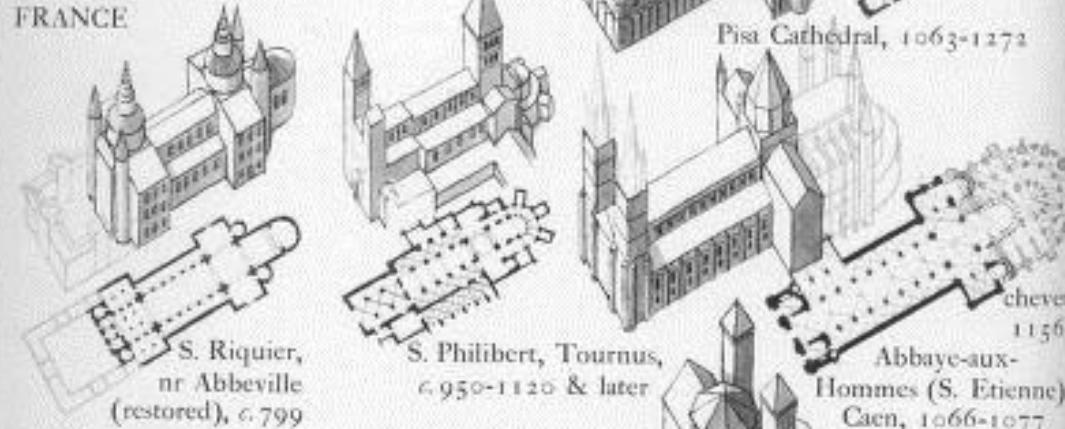
ITALY

S. Miniato, Florence, 1062



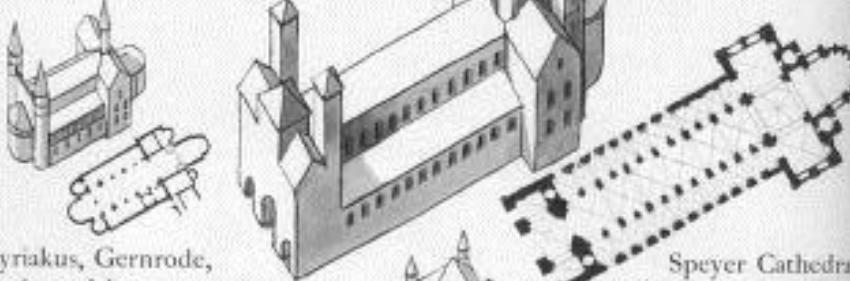
FRANCE

Pisa Cathedral, 1063-1272



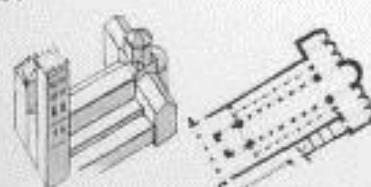
GERMANY

S. Cyriakus, Gernrode,
961 and later

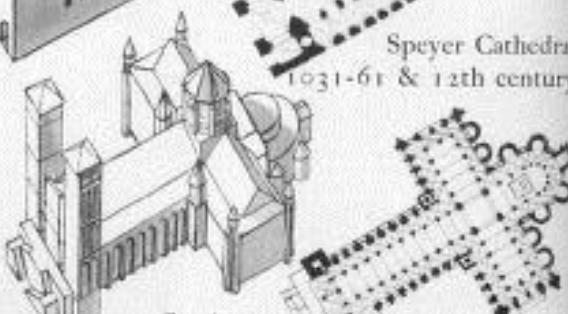


SPAIN

Ripoll Abbey,
Catalonia, 1020-1032

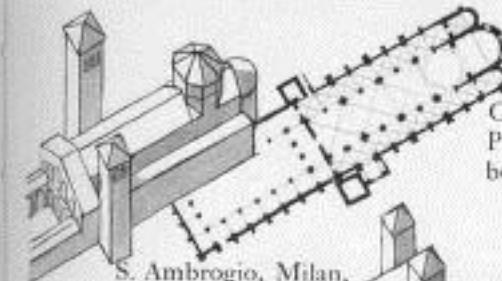


Santiago de
Compostela,
c. 1075-1121; pilgrimage church similar in plan
to Tours, Limoges, Conques and Toulouse

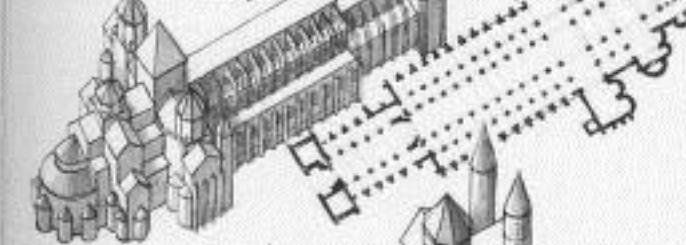


PLANS & ELEVATIONS

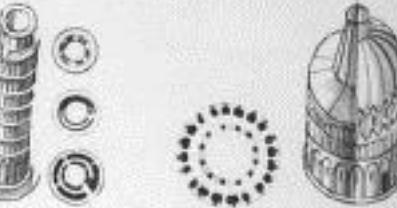
Campanile,
Pisa, 1174;
belfry 1350



S. Ambrogio, Milan,
c. 1140



Baptistery,
Pisa, 1153-1278,
Gothic additions
14th century



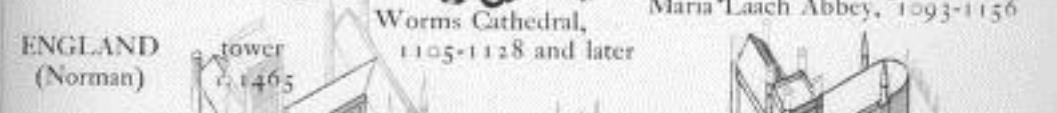
Angoulême Cathedral,
1105-1128 and later



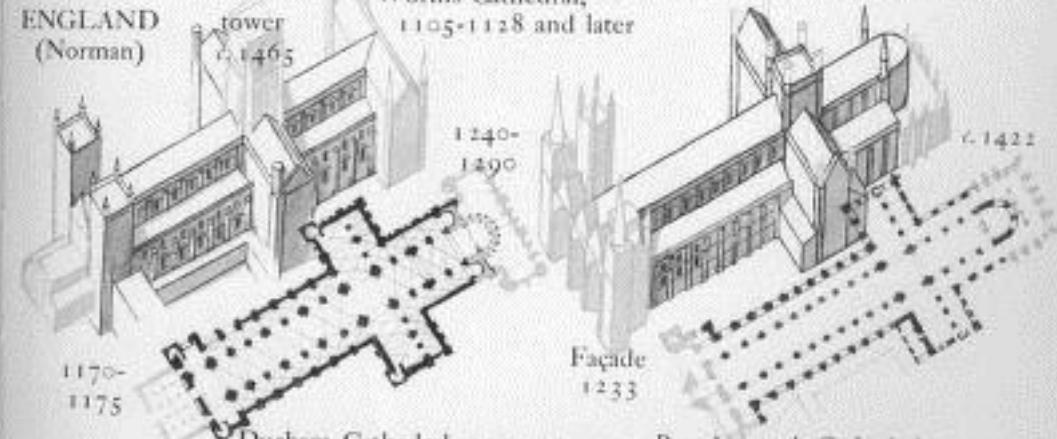
Cluny Abbey III
(restored), 1088-1131
(elevation reversed
to show the apse)

GERMANY

Worms Cathedral,
1105-1128 and later



ENGLAND
(Norman)



Peterborough Cathedral, 1177-1190

Durham Cathedral, 1093-1133

العمارة في العصور الوسطى (الرومانسيك - القوطي) (٤٠٠-١٤٠٠ م)

Architecture (Romanesque - Gothic)
(400-1400 CE)

THANK YOU

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