



ISTITUTO INTERNAZIONALE STUDI AVANZATI DI
SCIENZE DELLA RAPPRESENTAZIONE DELLO SPAZIO
Geometria proiettiva, Geometria descrittiva, Rilvamento, Fotogrammetria

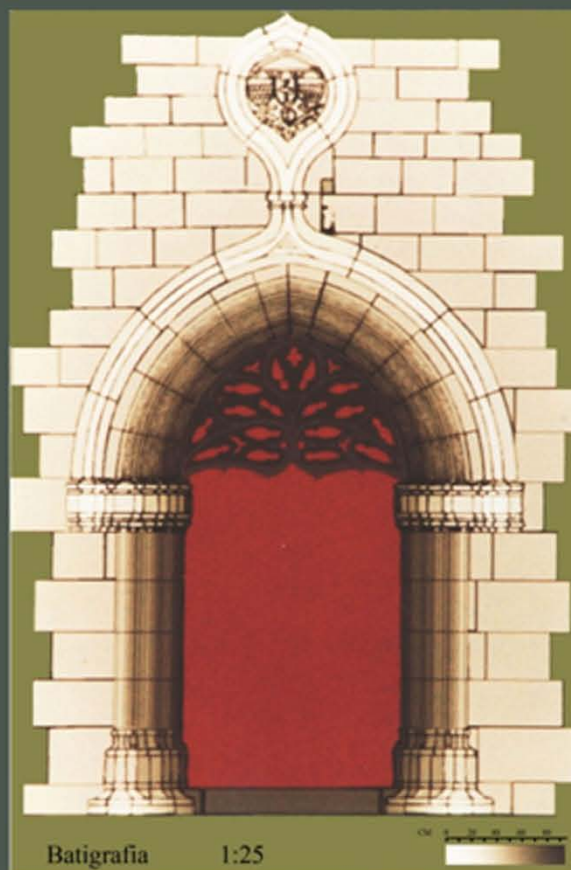
INTERNATIONAL INSTITUTE FOR ADVANCED STUDIES OF
SPACE REPRESENTATION SCIENCES
Projective geometry, Descriptive geometry, Survey, Photogrammetry

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APPLICAZIONE SPERIMENTALE DELLA BATIGRAFIA ELETTRONICA
NEL RILIEVO STEEOFOTOGRAMMETRICO DEL PORTALE
DELLA CAPPELLA LA GRUA TALAMANCA A PALERMO



1992

EXPERIMENTATION OF DIGITAL BATIGRAPHY IN THE STEREOGRAMMETRIC SURVEY OF LA GRUA-TALAMANCA CHAPEL DOORWAY IN PALERMO

A lovely example of Spanish- influenced Gothic architecture in Sicily, the elegant doorway of La Grua Talamanca Chapel (end of XV^o sec), has been chosen thanks to the harmonious variety of its patterns as an important test for the experimentation of batigraphy in architecture.

One shows first the stereo photogrammetric relief and then the method and the electronic equipment (software and hardware) used for making the batigraphy both of the whole doorway and of a detail of it, describing specifications and advantages.

The electronic equipment allows, by means of the shown software, not only to assign a particular grey shade to each small portion (pixel) depending on depth, but on the contrary to obtain from the particular grey shade of each small portion its depth also, and then the number or graphic representation of the part or of the whole, depending on the needs.

This method appears very useful because it allows to get in a very little space numerous data, enough for getting the most sophisticated graphic works derivable from computer technology, across an only very effective to shape visual communication projection.