



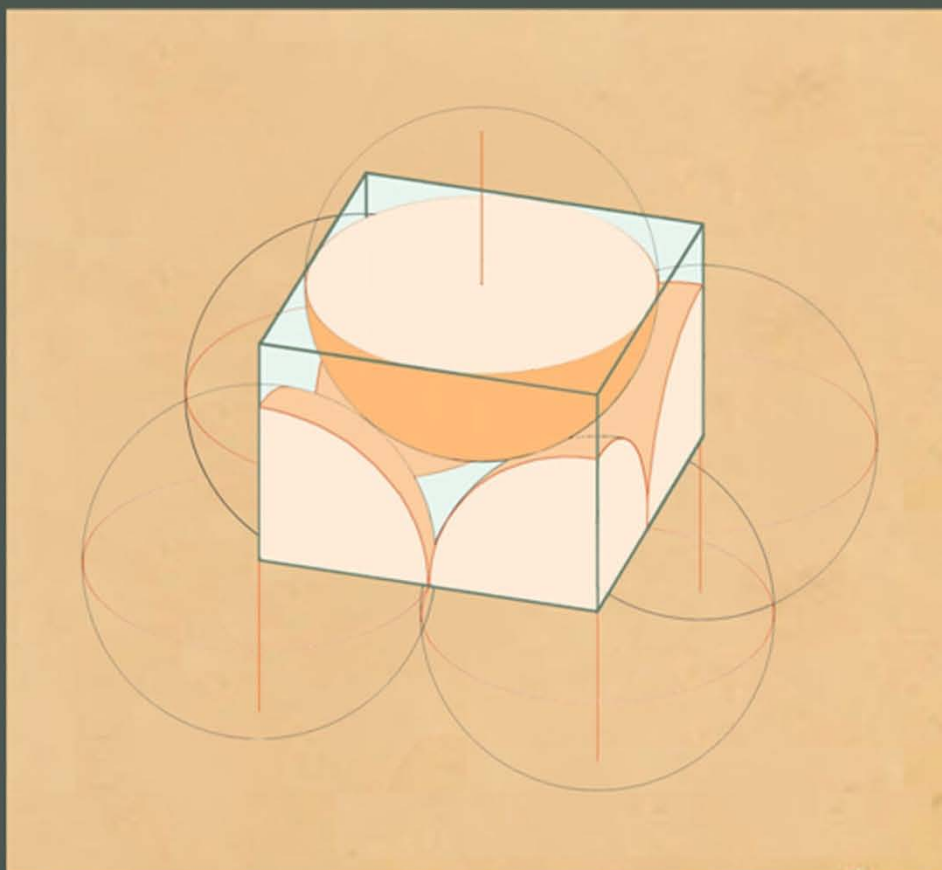
ISTITUTO INTERNAZIONALE STUDI AVANZATI DI
SCIENZE DELLA RAPPRESENTAZIONE DELLO SPAZIO
Geometria proiettiva, Geometria descrittiva, Rilevamento, Fotogrammetria

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

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DIMOSTRAZIONE GEOMETRICA PROIETTIVA
DELLA CONGETTURA DI KEPLERO SULLA
MASSIMA DENSITA' DI UN AGGREGATO DI SFERE



PROJECTIVE GEOMETRICAL DEMONSTRATION OF KEPLER CONJECTURE ON GREATEST DENSITY OF A GROUP OF SPHERES

Kepler conjecture on the packing of spheres, was considered till now one of the great mathematical non resolved problems.

In 1931 Carl Friedrich Gauss mathematically demonstred the conjecture for regular distribution.

In 1998 the mathematician Thomas hales announced the demonstration through a hundred fifty variables function, by means of two hundred fifty pages of annotations and three gigabyte of software and data.

In that time revisers were sure of exactitude at ninety nine per cent only and worldwide mathematical community isn't like minded on the validity of computer aided demonstration.

The showed theorem not only prove the validity of Kepler conjecture, but too simplicity, brevity and elegance of projective geometrical solutions, compared with gigantic, complex course of computation.