

SACRED GEOMETRY AND ARCHITECTURE



Written, edited and illustrated by
Carlos Arturo Alvarez Ponce De León

Illustrations and photos of projects and studies by
Carlos Arturo Alvarez Ponce De León
Ninón Fregoso Fregoso
Michael Rice
Jenniffer Hassey
John Stuart Reid
Dan Winter
Juan Schlosser

5

BIOFRACTAL ANALYSIS OF PROJECTS CARRIED OUT BY ARQKA

5.8- Aiki Center: geometric and semiotic analysis, a project designed with the principles of Biological Architecture and Sacred Geometry.

The Aiki Center is built on an area of more than four hectares in a space of two floors totaling a total of 651 square meters. From an octahedral geometric grid is a design based on a double toroid fractal image of the universe of double toroid in which we live. The structural dynamics of the double toroid allows generating a point of gravity that ends in the building in an open central space allowing the zenith entrance of sunlight and the connection with the described geometry. The base of the cuboctahedron in its design, dimensions, heights and details is governed by the multiplication by octavation of the Planck constant until it reaches a unit of measurement of 2.55 meters. The study of harmonic inclusivity of the electromagnetic field was carried out to locate some possible basic form and this one gave us several options to locate the center of the construction. We choose the most appropriate according to the architectural needs of the site.



Amma center: interior view of the upper floor room



Amma Center: duplex rooms and central fire view