Cube with inscribed Icosahedron

Form is Motion, frozen in the three-dimensional Space.

The »Cube–Icosahedron TURINOS«
The »Golden Ratio« appears.

„To catch the point of oneself, the human must grasp the space, and well in the true sense of the word:

Grasp with your hands, with your eyes, with all your senses.”

It is possible to enclose an icosahedron into a cube in such a way, that six of the thirty edges from the icosahedron touches the middle lines of the cube surfaces.

The »leftover cube solid« which surrounds the icosahedron...
...can be laid only in a 2–2–2 settlement around the icosahedron.

Six of the thirty edges of the icosahedron split the middle lines of the cube surfaces into three parts: so:

...as the edge of the cube has the length of 105 mm is this the »Major« (65mm) of the total length.

This correlates exactly with the length of the edges from the inscribed icosahedron.

The »leftover cube solid« becomes the TURINOS(*) of the cube-icosahedron.

(*TURINOS=Turning Inside-Out Solid
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Octahedron with inscribed Icosahedron

Form is Motion, frozen in the three-dimensional Space.

The »Octa-Icosahedron TURINOS«

The »Golden Ratio« appears.

„To catch the point of oneself, the human must grasp the space, and well in the true sense of the word:

Grasp with your hands, with your eyes, with all your senses."

It is possible to enclose an icosahedron into a cube in such a way, that eight of the twenty triangles of the icosahedron-surface lay on the eight triangles of the octahedron-surface.

The »leftover octahedron solid« which surrounds the icosahedron...
...can be laid in any settlement around the icosahedron.

Eight of the twenty equilaterally triangles of the surface of the icosahedron touch the eight surfaces of the octahedron and the vertices of these icosahedron-triangles split the edges of the octahedron surface as follows:

... they split each edge of the equilaterally triangles which form the octahedron surface exactly in the »Golden Ratio«.

The »leftover octahedron solid« becomes the TURINOS® of the octa-icosahedron.

(*TURINOS=Turning Inside-Out Solids

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