



newearth
university

5d geometry academy

»Yet I exist in the hope that these memoirs ... may find their way to the minds of humanity in Some Dimension, and may stir up a race of rebels who shall refuse to be confined to limited Dimensionality.»

[Edwin A. Abbott: Flatland: A romance of many dimensions, London, 1884]

»Let no-one ignorant of geometry enter here»

It might or might not have been inscribed on the door to Plato's Academy in Athens (circa 387 – 86 BCE).

In any case the same applies here:

If you are convinced that Aristotle was right and there is just empty space curved by ‚gravitation‘ and merely statistical realism can be attributed to ‚particles‘, an inclination towards unlearning is recommended.

If, however, you are already sick & tired of getting dizzy & confused by expanding multiverses and being threatened by spagettification from one side while the other promises a „shift into the 5th dimension“, you are most welcome to grab these tools for thinking by yourself:

Welcome to the 5D Geometry Academy

»5D Geometry Using Origami: Enfolding Plato's 5th Element» with Introduction to Scientific & Spiritual Meaning of the 5-dimensional Space

No prior knowledge whatsoever is required.

After all, this course is all about training your imagination and expanding your perception to transcendental invisible spacial structures that can only be perceived when made audible as harmonies of sound, and visually by a dynamic hyper-Euclidean 5D Geometry, to which you'll be introduced here.

»I don't believe in the future possibilities of mysticism in the old form, yet I am confident that natural sciences will let arise a counterpart among their representatives that would incorporate certain mystical elements.»

[Wolfgang Pauli in a letter to his sister Hertha Pauli, October 11, 1957, PWB7]

Part 1

Starts with enfolding space from a flat piece of paper.

Origami Net plans downloadable [here](#).

Origami will help us to literally grasp and get in touch with higher dimensional spaces.

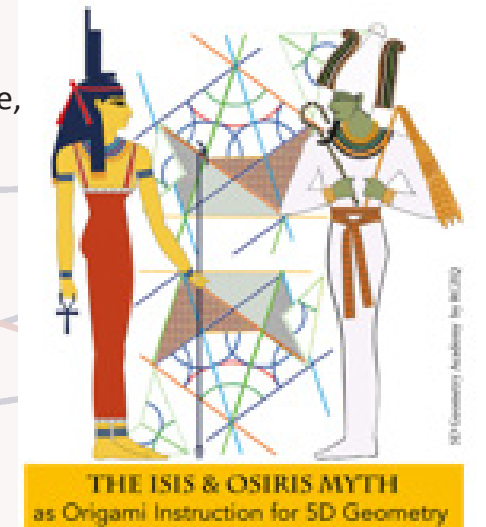
ORIGAMI WORKSHOP

Enfolding the unit cell of 5-dimensional space (E_5) with instructions based on interpretations of the Isis & Osiris myth.

The parallel narration will provide a simple approach to the ancient Egyptian proto-scientific concept of space, matter and light.

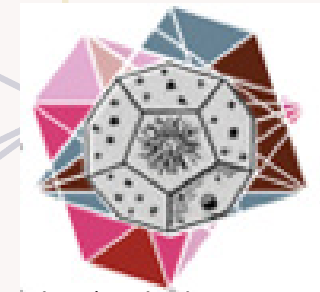
We discover how it surprisingly conforms to cutting edge science, and recapitulate what the ancient Greeks, foremost Pythagorus and Plato, took from it 2500 years ago in order to build the basics of what has become modern science.

Also suitable and recommended for children.



The result:

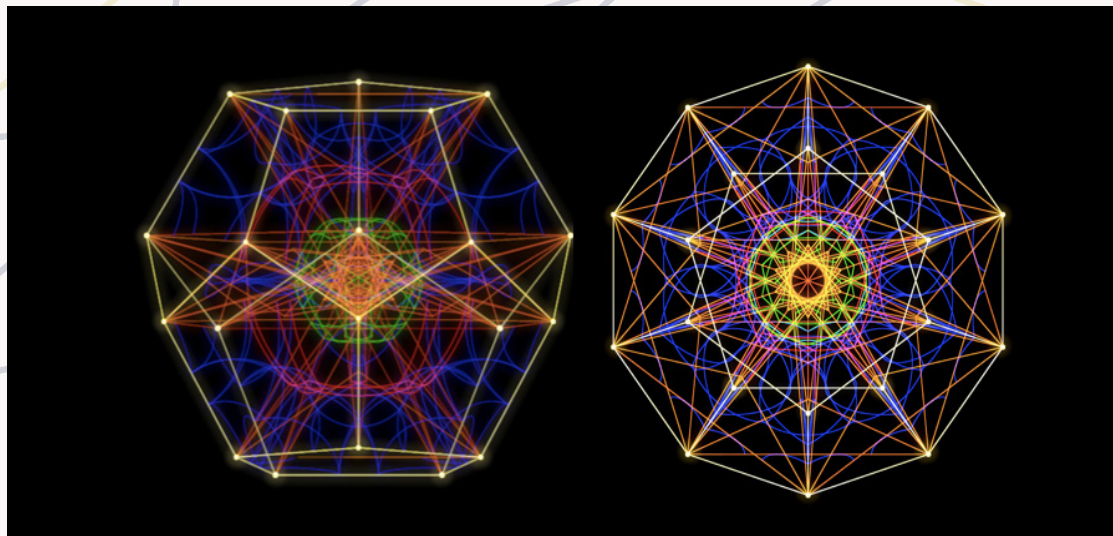
The 5D unit cell also presents the solution to Plato's riddle of the 5th element.
You'll also learn about the 5 Platonic solids and how the dodecahedron is built from two 5D space cells (E+)
– Spoiler: the dodecahedron is NOT Plato's fifth Element (as still maintained in School books)



Plato's 5th element
(with drawing of J-Kepler
© R. C.-Z.-Quehenbeger

**»There was yet a fifth combination [of triangles]
which God used in the delineation of the Universe.»**

Plato: Timaeus (54b-55c)



Epitadodecahedron, infinite 5-dimensional space with boundary in the shape of a dodecahedron (first visualized during Quantum Cinema project; © R. C.-Z.-Quehenbeger

»Could a higher-dimensionality of space be proven, Kaluza's idea would provoke a revolution in physics, which can be compared with the Copernican.»

[Lisa Randall, Warped Passages: Unravelling the Universe's Hidden Dimensions, New York, 2005]

Part 2

What is the physical meaning of 5D space ?

5-dimensional unifying theories are often disregarded (although Einstein spent 30 years on them), except the $SO(10)$ | $SU(5)$ Grand Unified Theory theory was awarded a Nobel prize. These symmetries

- reside in precisely the space we'll be talking about.

Higher dimensions in the quantum world

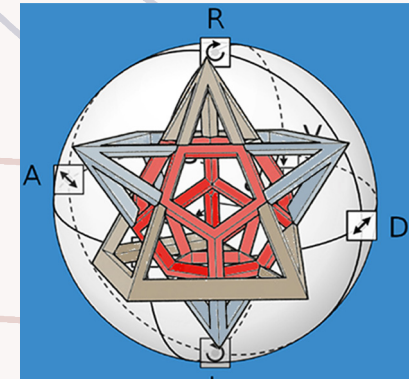
You'll be introduced into the brights minds that thought that way (mostly not mentioned anywhere)

From Poincaré to Schrödinger and de Broglie to David Bohm's debunked „hidden variable theory“ up to his „holographic principle“, which has been hacked and turned into spooky popular science that wants to make you believe the Universe is just a projection on a screen.

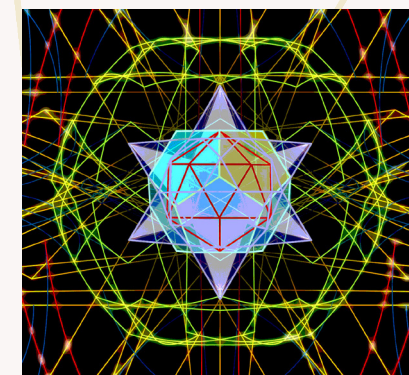
Higher dimensional cosmology: from Pythagoras & Ptolemy to Johannes Kepler's crystalline spaces into the dodecahedral Poincaré Universe and how it leads to a comprehensive **new/ old Unifying Theory – it is all there (!)**

In this 1st course, only a brief overview on Quantum Physics and Cosmology as well as Biology and Earth Sciences are provided.

Deeper dives into particular subjects are planned for follow-up sessions.
Literature references will be provided in the workbook.



My proposed entanglement picture
a new object in Quantum Geometry
online: <https://link.springer.com/book/10.1007/978-3-030-95538-0>



Nested polyhedra in the center of 5D space - like in Johannes Kepler's relations of planets in the solar system [my forthcoming book: Kepler & the 5th Dimension]

**»My soul's an amphicheiral knot
Upon a liquid vortex wrought
By Intellect in the Unseen residing [...]
Since all the tools for my untying
In four-dimensional space are lying..»**

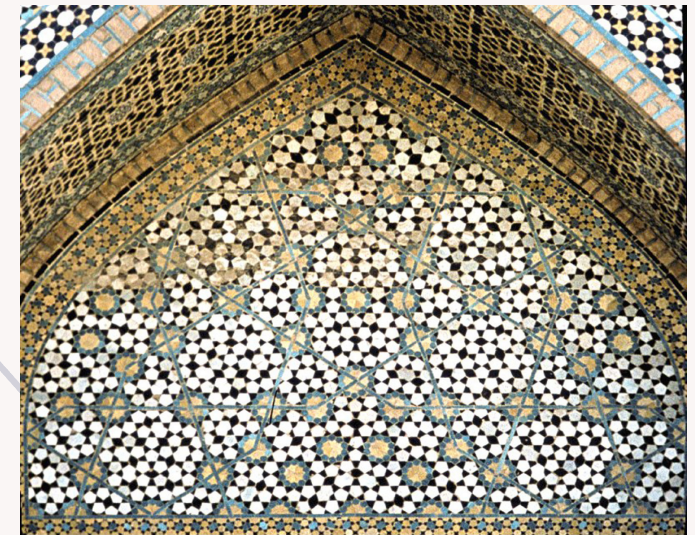
[Last Poem of James Clerk Maxwell, written during his final days in 1878]

Part 3

What is the spiritual side of it ?

We will explore the spiritual domains represented as „sacred“ geometrical forms used in religious architecture and art works with emphasis on Muslim patterns already identified as 2D slice of the 5-dimensional space.

No doubt:
with 5D Geometry you will get into realms previously preserved for religious experience :)



Darb-i-Imam Shrine, Isfahan

K. Dudley & M. Elliff; online: www.ams.org/publicoutreach/math-in-the-media/mmarc-03-2007-media

»Love is the Medium.«

[Diotima, quoted by Socrates, in Plato's Symposion]

Part 4

What 5D geometry can mean of your everyday life & your spiritual self

5D Geometry Academy offers a purely rational approach to the perception of higher-dimensional spaces on different realms of reality.

It will provide you with a geometrical tool-kit for your own mental explorations of the world we are living in.

This 5D-approach will possibly

- help you to better distinguish between natural science facts and poppycock science.
- improve your wellbeing (e.g. mind how you resonate to transcendental /dodecahedral shapes).

You may well use these geometric mental images for your own meditation for connecting with the Universe and other living beings – no matter how faraway they are from you in physical space.

(At this point we'd get into tantric entanglement – for adults only ;).

Short Guided meditation: „Vizualize the 5D space and „feel at home“ ,
embraced by the uniting grid of the infinite-dimensional Universe... „.



Proposed image for meditation.
„connect with your hearts
& meet in the center of 5D space“

Part 5 Q&A

What could the awareness of 5D space mean to you and for your personal life ?

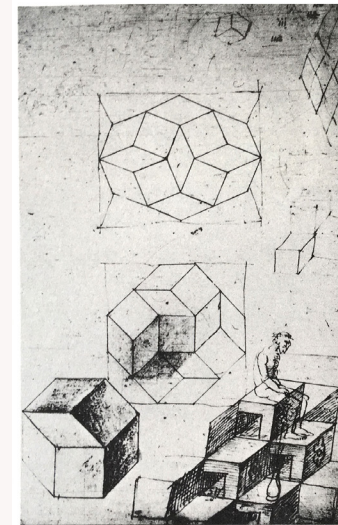
What did you find most interesting so that you'd like to learn more about it?

Any questions?

Would you like to share your own ideas and experiences on these subjects ?

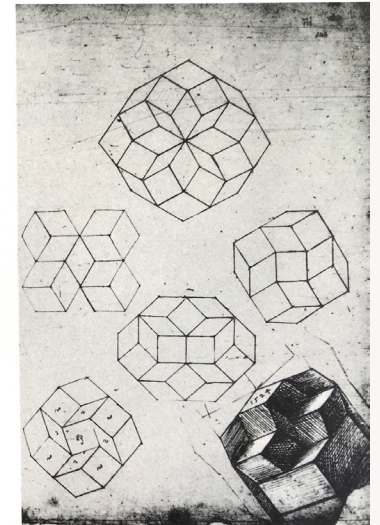
Your Notes:

... contemplate higher dimensions,
just like other people before



261. Ldn 5229, fol. 142^a

S. 352



262. Ldn 5229, fol. 143^a

S. 352

Albrecht Dürer (1471 - 1528), Plates 261 and 262,
in Hans Rupprich (Ed.): Dürer. Schriftlicher Nachlaß, Vol
3, 1969