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HARMONIZING STRUCTURES WITH SONIC PLATONIC SOLIDS

ABSTRACT

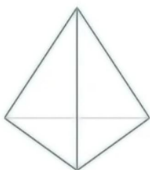
The Platonic Solids are understood as the essence of observable reality. These are the basic shapes that underlie the structure of the universe, and the power sources of creation, this includes human physiology and nature. These five regular polyhedrons are unique in the field of conceptual mathematics and are connected to the energy of the Earth. They are connected to the 5 elements of creation and can be applied to the human energy field for powerful energetic and spiritual purposes. By finding the corresponding frequencies of each, it is possible to create different applications of sound and shape that can manifest a new life. This helps the transition into a more harmonious state where a better reality will take place.

THE PLATONIC SOLIDS

The Platonic Solids are regular polyhedrons. These polyhedrons have all angles congruent and all edges congruent: Tetrahedron, Hexahedron, Octahedron, Icosahedron, Dodecahedron.

They are named for the ancient Greek philosopher Plato, who hypothesized in one of his dialogues, the *Timaeus*, that the classical elements were made of these regular solids.

TETRAHEDRON (THE POWER OF FIRE)



The Tetrahedron has four vertices, six edges, and four faces. Each face is an equilateral triangle. It has the smallest volume for its surface and is the only one that has fewer than five faces. It is one type of pyramid.

The tetrahedron represents divine unity. It solidly supports the three points of the trinity; father, son, and Holy Spirit. It is the essential solid for support and stability. Its strong structure creates perfect foundations for physical manifestation. Can help to create change in life. It supports personal power and acceptance, so it is possible to create something new.

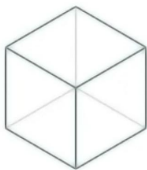
Fire is classically connected to spirit, divine spark, which symbolizes creativity, inspiration, and ingenuity.

Buckminster Fuller taught that the most fundamental physical entity, the photon of light, is itself a tetrahedron.

An irregular form can result in lack of motivation, unhappiness, lack of vigor, or discontent. Physically, this disturbance can manifest through fevers, high blood pressure, and hot flashes. A regular tetrahedron crystal assists in restoring joy, motivation, enthusiasm, and enlightenment.

It can also help to clarify thoughts, or shine a light on some ideas. Finally, the tetrahedron will also bring a natural balance between the physical and the spiritual. It's also seen as the perfect symbol for balance.

HEXAHERDRON (THE POWER OF EARTH)



The hexahedron is also known as the cube. It has eight vertices, twelve edges, and six faces. Each face is a square.

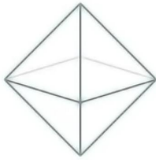
This shape represents structure. It promotes organization of ideas, stronger support, security, and firmness of conviction.

It is good for achieving order in a disorderly environment. The shape transmits cohesion and support which reduces physical, mental, and emotional tensions. Can reduce stress and remove tension.

It replaces negative energies with a sense of groundedness and positive attitude. The hexahedron is also believed to heal back, skeletal, and kidney problems.

It can help to reconnect to the energies of Gaia and Nature. Some even say it might activate Kundalini energy.

OCTAHEDRON (THE POWER OF AIR)



The octahedron has six vertices, twelve edges, and eight faces. Each face is an equilateral triangle.

Air represents mental processes and this shape boosts mental focus, clarifies thoughts, and stimulates fresh ideas. A disrupted form may cause confusion, uncertainty, and a negative attitude. It is also the reason for mental health disorders like anxiety, depression, obsession, and behavioral issues.

Working with the octahedron can promote increased self-awareness, improved decision-making, and a wider perspective. The octahedron's key function is integration. This Platonic Solid can help with acceptance, forgiveness, and compassion for self and others. This boosts the healing process.

It will also help with expressing creativity through voice and helps with speaking from the heart. It creates a stronger connection to the inner and outer world.

ICOSAHEDRON (THE POWER OF WATER)



The icosahedron has twelve vertices, thirty edges, and twenty faces. Each face is an equilateral triangle.

It is linked to life energy, fluidity, and the emotional state. It enforces emotional balance and the ability to adapt to experiences.

A distorted form can cause emotional instability and be overwhelmed by extreme or unpleasant feelings as a result of bad experiences. This can contribute to water retention, bladder issues, and fluid imbalances.

The icosahedron can ease movement as it brings the consciousness of water. It cleanses energy centers and provides dynamic movement. Its key function is transformation. It enhances the creative thought process by removing emotional blockages.

It can help learning a new way of life, going with the flow and allowing freedom of expression. Furthermore, it is a great way to attract more abundance in life. Likewise, it will also help in understanding the emotions that arise.

DODECAHEDRON (THE POWER OF ETHER)



The dodecahedron has twenty vertices, thirty edges, and twelve faces. Each face is a regular pentagon.

It represents the dynamic life force itself. It is in resonance with the ether. Ether is equivalent to Prana in India, Mana in Hawaii, Ka in Ancient Egypt, Chi in China.

It is connected to the number five. The human etheric life body is itself a pentagram, connecting the heart to the five extremities.






Ether represents the whole universe and the interconnection of all beings and creation. A disturbed form disconnects a person from their soul, causes disillusionment, and a lack of faith and divine guidance.

This Platonic solid rekindles connection with inner being, increases acceptance of experiences, and brings inner peace. It also provides wisdom to understand life experiences.






It can help to connect with higher dimensions and can help raise the frequency of the environment.

CONVERSION FROM PLATONIC SOLIDS TO FREQUENCIES AND NOTES






1. The angles by themselves are 60° , 90° and 108° , spelling a B7 chord: B1 - F#2 - A2:

PLATONIC SOLID		DEGREES	NOTE
	TETRAHEDRON	60	B1
	HEXAHEDRON	90	F#2
	OCTAHEDRON	60	B1
	DODECAHEDRON	108	A2
	ICOSAHEDRON	60	B1






2. The sum of these angles within a face are 180, 360, 180, 540, 180, spelling an F# - C# chord, a Perfect Fifth, which is the Divine Interval:

PLATONIC SOLID		DEGREES	NOTE
	TETRAHEDRON	180	F#3
	HEXAHEDRON	360	F#4
	OCTAHEDRON	180	F#3
	DODECAHEDRON	540	C#5
	ICOSAHEDRON	180	F#3






3. Multiplying these summed angles time the number of faces of each Platonic Solid results in 720, 2160, 1440, 6480, and 3600, spelling an F#9 chord: F#5 - C#7 - F#6 - G#8 - A#7:

PLATONIC SOLID		SUM OF DEGREES	X FACES	FREQUENCY	NOTE
	TETRAHEDRON	180	4	720	F#5
	HEXAHEDRON	360	6	2160	C#7
	OCTAHEDRON	180	8	1440	F#6
	DODECAHEDRON	540	12	6480	G#8
	ICOSAHEDRON	180	20	3600	A#7






4. Multiplying the original angle degree x total vertices is 240, 720, 360, 2160, 720, spelling a B9 chord: B3 - F#5 - F#4 - C#7 - F#5:

PLATONIC SOLID		DEGREES	X VERTICES	FREQUENCY	NOTE
	TETRAHEDRON	60	4	240	B3
	HEXAHEDRON	90	8	720	F#5
	OCTAHEDRON	60	6	360	F#4
	DODECAHEDRON	108	20	2160	C#7
	ICOSAHEDRON	60	12	720	F#5






5. Multiplying the sum of the angle degrees x total vertices is 720, 2880, 1080, 10,800 and 2160, spelling a F#maj7 chord: F#5 - F#7 - C#6 - C#7:

PLATONIC SOLID		SUM OF DEGREES	X VERTICES	FREQUENCY	NOTE
	TETRAHEDRON	180	4	720	F#5
	HEXAHEDRON	360	8	2880	F#7
	OCTAHEDRON	180	6	1080	C#6
	DODECAHEDRON	540	20	10,800	F9
	ICOSAHEDRON	180	12	2160	C#7






6. Multiplying the original angles x total faces is 240, 540, 480, 1296 and 1200, spelling: B3 - C#5 - B4 - E6 - D#6:

PLATONIC SOLID		DEGREES	X FACES	FREQUENCY	NOTE
	TETRAHEDRON	60	4	240	B3
	HEXAHEDRON	90	8	540	C#5
	OCTAHEDRON	60	6	480	B4
	DODECAHEDRON	108	20	1296	E6
	ICOSAHEDRON	60	12	1200	D#6

7. Multiplying the original angle degree x number of edges equals 360, 1080, 720, 3240, and 1800, spelling an F#5 chord: F#4 - C#6 - F#5 - G#7 - A#6:

PLATONIC SOLID		DEGREES	X EDGES	FREQUENCY	NOTE
	TETRAHEDRON	60	6	360	F#4
	HEXAHEDRON	90	12	1080	C#6
	OCTAHEDRON	60	12	720	F#5
	DODECAHEDRON	108	30	3240	G#7
	ICOSAHEDRON	60	32	1800	A#6

8. Multiplying the sum of the angle degrees x number faces x meeting at vertex equals 108, 270, 240, 324, and 300, spelling an F#3 - C#4 - B3 - E4 - D#4:

PLATONIC SOLID		DEGREES	X FACES	FREQUENCY	NOTE
	TETRAHEDRON	60	3	180	F#3
	HEXAHEDRON	90	3	270	C#4
	OCTAHEDRON	60	4	240	B3
	DODECAHEDRON	108	3	324	E4
	ICOSAHEDRON	60	5	300	D#4

The notes generated by these computations allow us to create two Scales:

- B Major: B - C# - D# - E - F# - G# - A# - B
- F#: F# - G# - A# - B - C# - D# - E#/F - F#

Substituting the A for the A# in either one of the above scales results in:

- B Mixolydian: B - C# - D# - E - F# - G# - A - B
- F# Dorian: F# - G# - A - B - C# - D# - E - F#

The Dodecahedron spells an Amaj7-6 chord, intimating another major harmony, A, to be added to the mix. This means B, F# and A create the major harmonic matrix of the Platonic Solids. The fact that these are created using very specific geometries, informs us the B, F# and A tonalities and their harmonies are significant cosmological manifestations; and given the Platonic Solids are the building blocks of creation - the Elements - then listening, performing with and aligning to these frequencies will bring one back into Universal Harmony.

This interplay between the Platonic “forms”, eventually gives rise to consciousness, the empirical way of understanding and interpreting the world around.

SONIC PLATONIC SOLIDS FOR MEDITATION

(POSSIBLE APPLICATIONS)

VIRTUAL EXPERIENCE

Create audio-visuals where the Platonic Solids are rotating in space with any of the accurate frequencies.

PHYSICAL EXPERIENCE

Create the five Platonic Solids with integrated sound, so people can hold them and listen to them in a meditative way. By contemplating volume, shape, angle and sound.

REFERENTIAL LINKS

<https://stonebridgeimports.com/a/622-what-are-platonic-solids>

<https://www.sonicgeometry.com>

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<https://marktorgeson.com/platonic-solids-geometries-to-frequencies>

<https://www.youtube.com/watch?v=KICWxxPOH5E>

<http://lymcanada.org/the-twelve-star-egyptian-sphere-that-generated-the-great-pyramid-and-the-platonic-solids-2/>