

LC WHITE PAPER SERIES

**THE SACRED
GEOMETRY OF THE
LEADERSHIP CIRCLE
PROFILE AND THE
UNIVERSAL MODEL OF
LEADERSHIP:
TOWARD A PHYSICS
OF LEADERSHIP**

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LEADERSHIP
CIRCLE®

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ABSTRACT

Nature scales in fractal geometries. Among these, and perhaps the core scaling geometries, are the circle/sphere, Pi, the equilateral triangle, the hexagon (the structure of carbon), the constant Phi, the Doubling Sequence, and the Fibonacci Sequence.

This paper uses digital root math to find previously hidden patterns within the Fibonacci Sequence (as far as the author knows). The Fibonacci Sequence is found to pattern perfectly to the hexagon, the six-pointed star, Buckminster Fuller's Vector Equilibrium (VE), and Nassim Harramein's Isotropic Vector Matrix (IVM). Both the VE and the IVM are proposed by their respective authors as being the Structure of the Vacuum or the Zero-Point Quantum Field.

This paper does not try to validate these theories but shows how Phi is related to hexagonal structures and how the Fibonacci Sequence, and the number patterns within it, relate to these theories. It will show how the Fibonacci Sequence is a hexagonal geometry comprised of zero-point mathematics (polarities that arise from zero in equal and opposite directions and sum to zero).

The Leadership Circle's Universal Model of Leadership (UML), the dynamic polarities within it, and its correlation matrix is found to be consistent/coherent with core scaling geometries. Human beings pattern their identities and the dynamics of their interaction to the same geometries. These findings lend significant credence to the universality of the model. The Universal Model of Leadership is shown to be a zero-point structure.

To construct the argument about how Phi and the Fibonacci Sequence pattern hexagonally, and thus to the Leadership Circle UML, this paper starts by showing how our Base-10 number system is fundamentally comprised of three trinities—three triangles in dynamic relationship to each other. It will then go on to show how two of these three triangles relate to the number seven, to the doubling sequence, and to the mysterious 369 triangle; how these patterns relate to prime numbers; and how all these patterns are imbedded in the Fibonacci sequence such that they intersect to pattern on the hexagon and form the zero-point scaling geometry and mathematics of the VE and IVM. Lastly, this paper argues that the Leadership Circle's Universal Model of Leadership patterns to this very same geometry and zero-point mathematics. It concludes that the UML is coherent with the universal fractal scaling patterns by which the universe manifests.

Perhaps equally significant, this paper points to a deeper understanding of the creative process. The author has no background in the subject matter; most of this content was received intuitively in meditation. The mind is capable of receiving big, if not breakthrough ideas, that it does not know it knows—or rather, that it knows on other “non-rational/non-physical” dimensions.

Finally, this paper is theoretical and its conclusions exploratory. It postulates a connection between the Leadership Circle's Universal Model of Leadership and the scaling geometries found in nature, which have been studied with fascination and sacred awe for millennium. The author submits this paper as a starting place for dialogue, further inquiry, and learning.

THE STORY BEGINS

A few years ago, while on retreat, I had an experience that had never happened before or since. I awoke to see hovering over me—as if hanging in the space between the ceiling and my bed— $E=MC^2$ in big bold yellow letters. My first thought was, “What is this? What does this have to do with anything?” Before I dismissed it, I remember thinking, “Anything that happens on retreat is somehow related to the retreat, so whatever this is could be relevant.”

Shortly after the retreat, I began to get what I call “downloads.” Downloads were not new to me. I have been learning about the process of generating ideas for many years—the beautiful dance between intensive rational exploration/integration work and intuitive insight. Downloads or intuitive insights can happen at any time, but for me, they now consistently happen in meditation.

The downloads that began after the retreat were different because I did not understand them, I did not know what they were about, and I did not know where they were leading me. I began to receive information related to physics, geometry, and mathematics. Most of it I did not understand, but I wrote it all down in my journal. This process continues almost daily.

Since I didn’t understand what was being communicated, as I am not educated in physics and minimally educated in basic math and geometry, I have had to search the internet and read books to learn about the topics intuitively communicated to me. I also have spent time rationally trying to construct how what I am receiving fits together—and even that activity was intuitively guided. This established a highly creative process of balancing intuition with rational analysis.

This paper is a story about intuition, following intuitive insight, and letting it lead rational inquiry. It is also a story about the creative process of ideation—how big ideas happen. And it is about how intuitive insight accelerates as the intensity of the rational intention to “figure it out” increases. Intuition and rationality work together, amplifying each other, with intuition leading rational inquiry and rationality acting as a magnet for intuition.

All of this led me to a mathematical/geometric discovery, that at first sight, immediately struck me as perfect. In the same moment, I realized I was experiencing what it is like to catch a glimpse of the underlying perfection of everything—perfection that is the inherent unity *in* which and *as* which everything is arising and being lived.

THE LEADERSHIP CIRCLE’S UNIVERSAL MODEL OF LEADERSHIP—UML

Early on, as these downloads commenced, I had the sense what was being communicated related to the universality of the UML. I sensed there is more to this model than I knew—that I was being asked to explore a deeper level of its universality. (UML is described in *Mastering Leadership and Scaling Leadership* in great depth. This paper assumes the reader has a working knowledge of the UML.)

The first early images that came in meditation were of triangles within circles (Figure 1). Also communicated intuitively in parallel, synchronistic downloads was, “Polarity is not duality. It is trinity. All polarity is a trinity.”

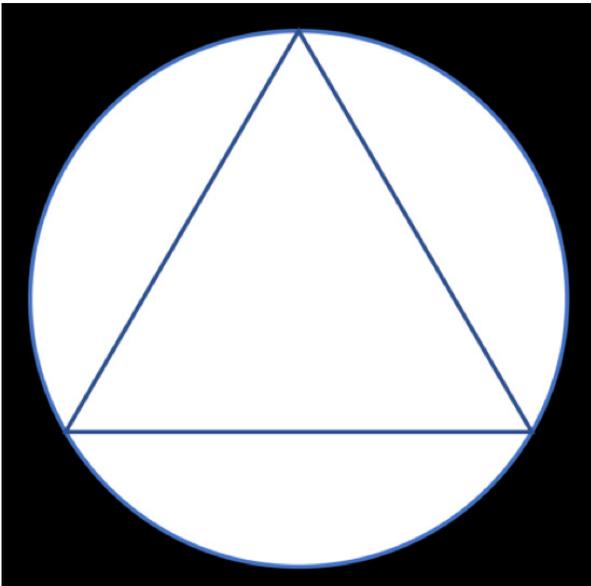


Figure 1: Unity Emerging as Trinity

Each polarity has a neutral (zero) point—that is, there is an equal and opposite to everything, and both poles emerge from a zero-point. This is why polarity is drawn as the infinity symbol. Yet, what is overlooked is the zero-point (the neutral point). We see duality but not the unity *from* which and *as* which duality emerges. All polarities arise from unity and return to unity; it is at the center of every polarity. All diversity, therefore, emerges and expresses unity.

Within manifestation, unity first emerges as trinity—three in one. The number 3 plays large in quantum physics. For example, there are three different subatomic particles in the proton and in the neutron. There are three atomic particles: proton (positively charged +), electron (negatively charged -), and neutron (with no or zero charge 0). This suggests that all matter is a trinity.

This three-way description of reality also shows up in the world’s spiritual traditions, alchemy, medicine, and current psychological/leadership theory. Thus, the structure of the UML is trinitarian.

Years ago, I first came across the trinitarian nature of human character structure in the work of Karen Horney. In her book, *Our Inner Conflicts* (1945), she wrote that human beings form their character/personality structures along three trends:

First, we “Move Toward” others to build a sense of identity through harmonious relationship in the form of pleasing others in early stages of development. This is the yin, feminine, receptive (- charged) end of the polarity.

Or we develop personality in the opposite direction. We “Move Against” other people and build our identity by being stronger, more successful, and more powerful than others. This is the yang, masculine, active (+ charged) end of the polarity.

In the third neutral direction, we form personality by “Moving Away” from others and build our identity rationally. We move toward self-reliance (rising above it all) and live within the equanimity and safety that comes with being a rational observer.

The Enneagram literature also describes these three “Types” in its nine types. Three types move toward, three move against, and three move away. Notice the number 9 and its trinitarian nature (3 X 3) in this system. (More on that later in this paper.)

In the mid-1990s, I was a student in the Barbara Brennan School of Healing where I encountered a spiritual system called Pathwork. In that system are three core personality types or ego structures: Love Mask (-), Serenity Mask (0), and Power Mask (+). The Brennan School was also founded on

Bioenergetics, which suggests the three main centers within the body: Head (O), Heart (-), and Will (+).

The Leadership Circle Profile is built on a Universal Model of Leadership (UML). At the core of this model is the pattern in our field of this three-way description of human personality development. The Manager Edition (Figure 2) of the Profile is the clearest visual depiction of this aspect of the model. It draws the model as three types at two levels of consciousness: Complying, Protecting, and Controlling evolving to Relating, Being, and Achieving.

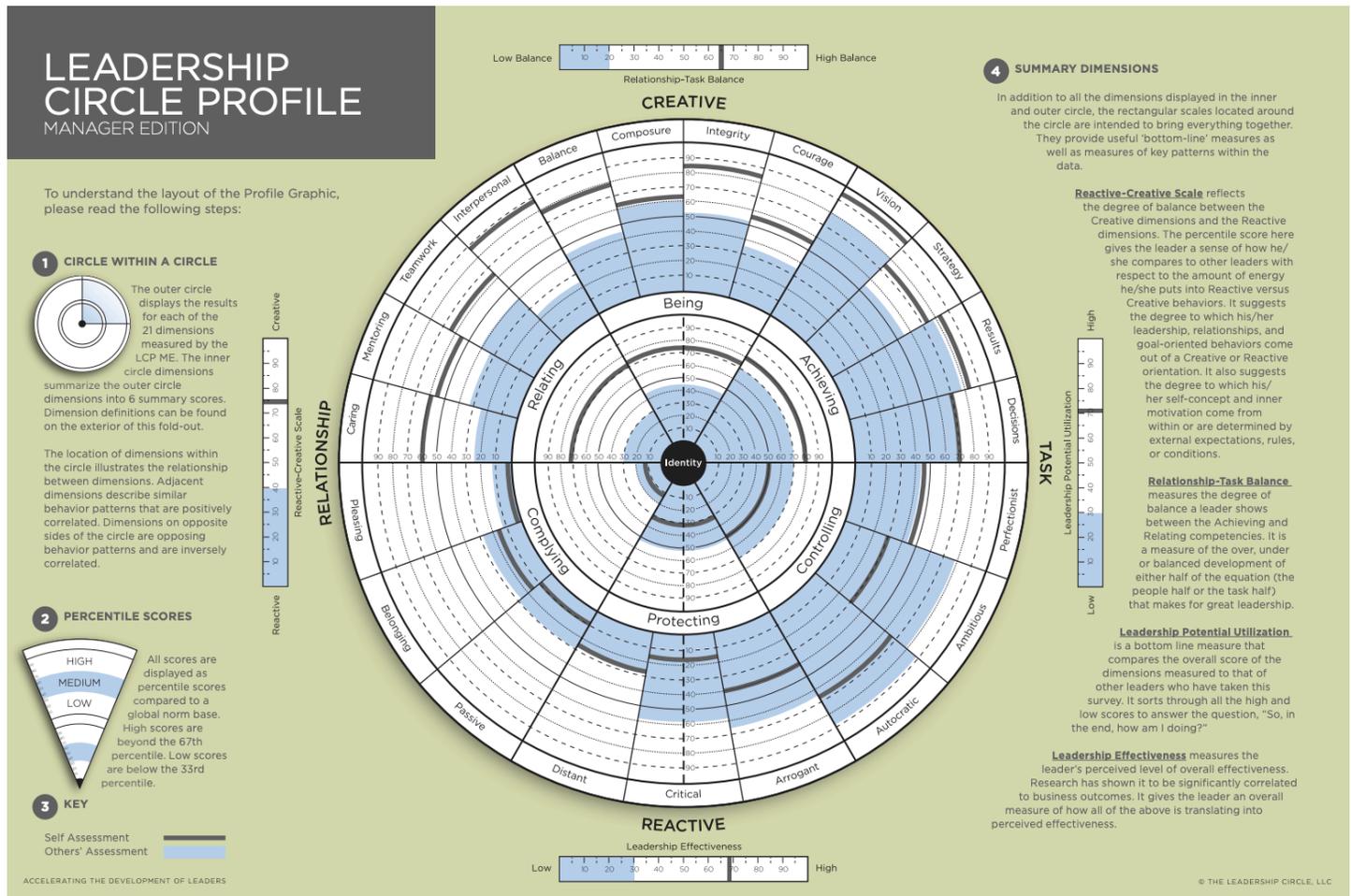


Figure 2: The Manager Edition

The Leadership Circle Model has three types (Heart, Head, Will) evolving through three stages of leadership (Reactive, Creative, and Integral). When I started to get downloads that included triangles within circles and the trinitarian nature of polarity, I realized it was related to the Leadership Circle Model—perhaps a deeper physics, geometry, and mathematics already embedded in the model.

The first image was of an equilateral triangle within a circle, a trinity emerging from unity and two inverse triangles within a circle forming the Star of David (Figure 3).

This image depicts the spiritual underpinnings of the Profile. The One Conscious Light manifests

itself into these three great energies: Love (-), Truth (O), and Light (+). Through descending levels of frequency, density, and form, the One involutes into matter depicted by the downward-facing triangle. The upward-facing triangle represents the corresponding equal and opposite movement.

Involution begets evolution. Form evolves into increasingly greater complexity emerging from a unified field—the zero-point quantum field. Three unique quarks form protons, while three different quarks form neutrons. Atoms form from these ingredients consisting of electrons (-) protons (+), and neutrons (O). Atoms join to become molecules, and molecules combine into more complex forms of matter. Increasingly complex molecular structures evolve into living matter and then the conscious living matter of Hearts (-), Heads (O), and Wills (+). Living matter evolves self-conscious living matter. Finally, at the highest stages of conscious living matter, the One is able to realize itself in and as all form.

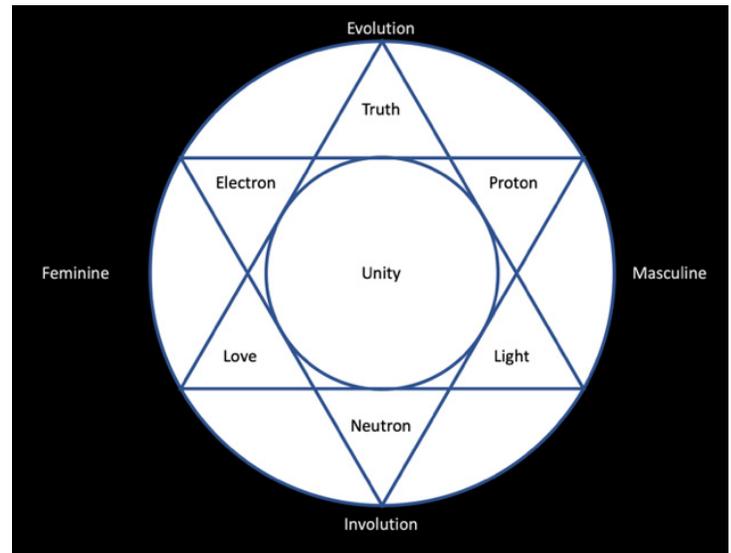


Figure 3: Trinity Descending and Ascending

This image (Figure 4) represents the core structure of the Leadership Circle Profile and The Universal Model of Leadership.

The vertical axis in Figure 4 is Consciousness (Stages of Development) representing the spectrum of consciousness from higher to lower (involution) and/or lower to higher (evolution). The spectrum of consciousness is a field. Field theory plays a central role in modern physics. In fact, all of what is called “matter” might simply be a localized field—that is, a wave interference pattern (upon fractal pattern) emerging from a zero-point field of unity.

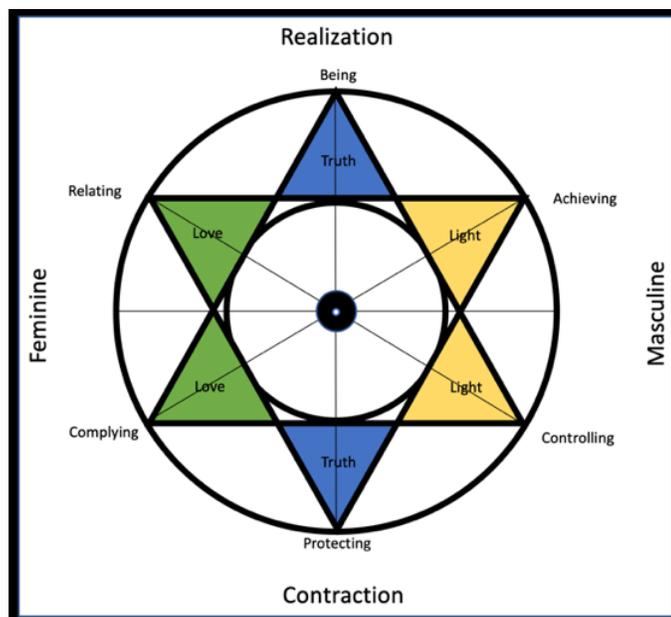


Figure 4: The Core Structure of the UML

In her book, *The Cosmic Hologram* (2017), physicist Jude Currivan states: “It is ultimately through the localized and universal fields of wave form energies and their interactions that the appearance of the physical world arises.”

Fields can be quantified by their frequency, density, time and space, power and energy. Higher frequency is less dense (e.g., water molecules in the solid form of ice are vibrating at a lower frequency than water molecules in the form of steam). Consciousness, therefore, can be thought of as a field ranging from lower frequency and higher density to higher frequency and lower density. Density and time are related. At lower frequency and higher density and gravity, time slows.

Frequency also relates to energy and power. Higher frequencies carry more energy and are more powerful than lower frequencies. *Conceiving of consciousness as a spectrum of interpenetrating fields of progressively higher/lower frequency has huge implications for our understanding of consciousness.* Simply stated, there is a frequency, density, energy, power, and time and space aspect to the various stages of human consciousness.

The horizontal axis is the masculine and feminine polarity—the axis of electromagnetic charge. Everything has a charge—positive, negative, or neutral in perfect balance. The total electrical charge of the universe is zero (0), and the polarity of charge is a trinity (-, 0, +) emerging from zero.

Taken together, the horizontal and vertical axis emerging from unity form three primary polarities in hexagonal relationship to each other. These are the three primary polarities of UML.

First is the polarity of Achieving and Complying. Complying is low frequency, high density yin (-) and Achieving is its opposite - high frequency, low density yang (+).

The Relating-Controlling polarity is simply the mirror opposite. Controlling is low frequency, high density yang (+), which is opposite Relating—high frequency, low density yin (-). The middle polarity of Protecting to Being is neutral. It does not have a charge but moves from Protecting—low frequency, high density neutral (0) to Being—high frequency, low density neutral (0).

This is the basic physics of The UML. As you will see, this three-by-three structure is a universal pattern. As such, the dynamics of human consciousness, behavior, and interaction follow this fundamental pattern.

PATTERN ON PATTERN

The two inverse triangles form a hexagon (six equal sides) in the middle, forming the primary geometry of life—carbon. If you draw a circle within and match the hexagon to the perimeter of the circle, the diameter of that circle is exactly half the diameter of the original circle around the six-pointed star. One circle is double the diameter, area and, in three dimensions, the volume of the circle/sphere that forms inside the original circle/sphere. This circle/sphere within a circle/sphere is a mandala—an ancient spiritual image at the core geometry of the Leadership Circle UML. The relationship between the two circles is half/double. More on the significance of doubling math later in this paper.

I began to fractal the image (Figure 5).

Each fractal is half the size of the next one. The doubling sequence becomes important as this story unfolds, but I did not know that at this point. I simply found it beautiful that two equilateral triangles within a circle formed a hexagon and that the circle formed inside of that hexagon was exactly half the diameter of the original circle. This pattern repeats from zero to infinity.

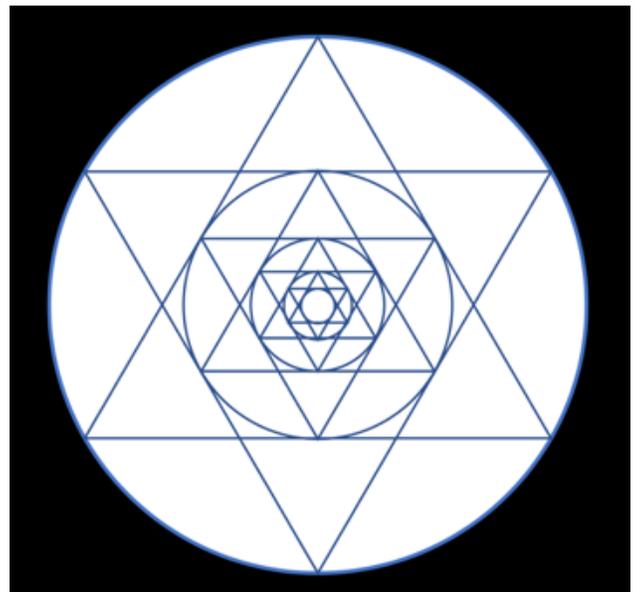


Figure 5: Pattern on Pattern Fractal

I also began to fractal many variations on this image. The first involved looking at how the inverse triangles (without circles) patterned (Figure 6).

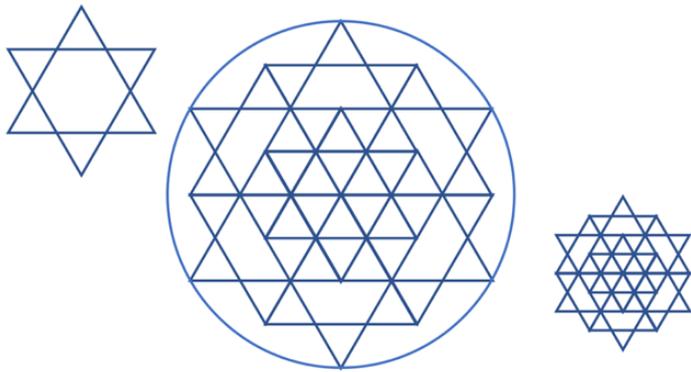


Figure 6: The Masculine Fractal

This image simply orients six (six-pointed) stars around one star where each of the six stars has a point located at the center of the original star. Notice that with just one iteration of this (six stars aligned with the six points of the original star), the star doubles in size, forms more hexagons in a doubling pattern, and becomes three-dimensional creating cubes. Of course, since reality is not two dimensional, note that these images are two-dimensional representations of three-dimensional forms (tetrahedrons, cubes, spheres, etc.).

I then patterned the same image but with six circles (instead of six stars) intersecting at center (the zero-point), and I aligned with the six points of the star (Figure 7).

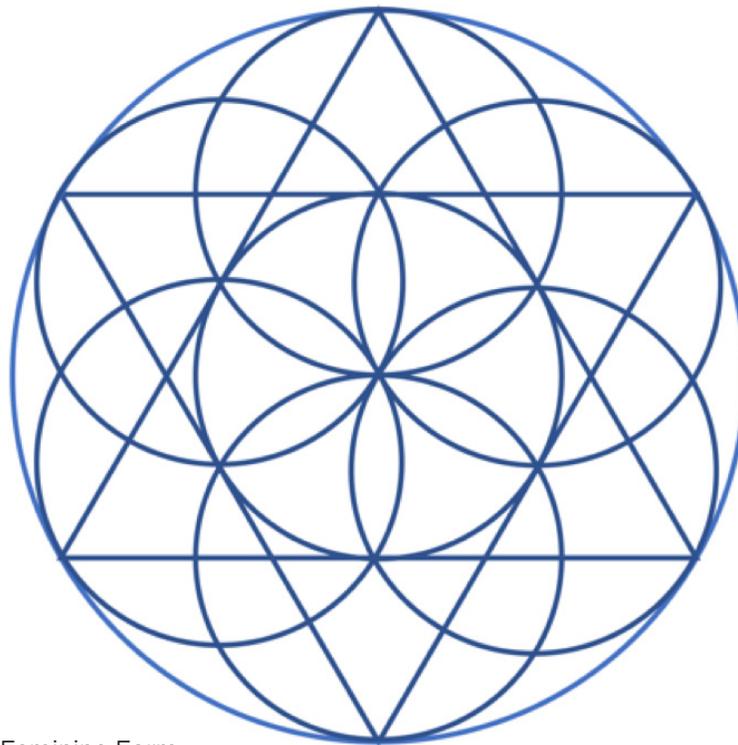


Figure 7: The Masculine and Feminine Form

This image combines the same six-fold (three X three) geometry into a masculine version (triangles, hexagon, and star) with the feminine of the same form—overlapping circles. I then created a fractal of the above image (Figures 8 and 9).

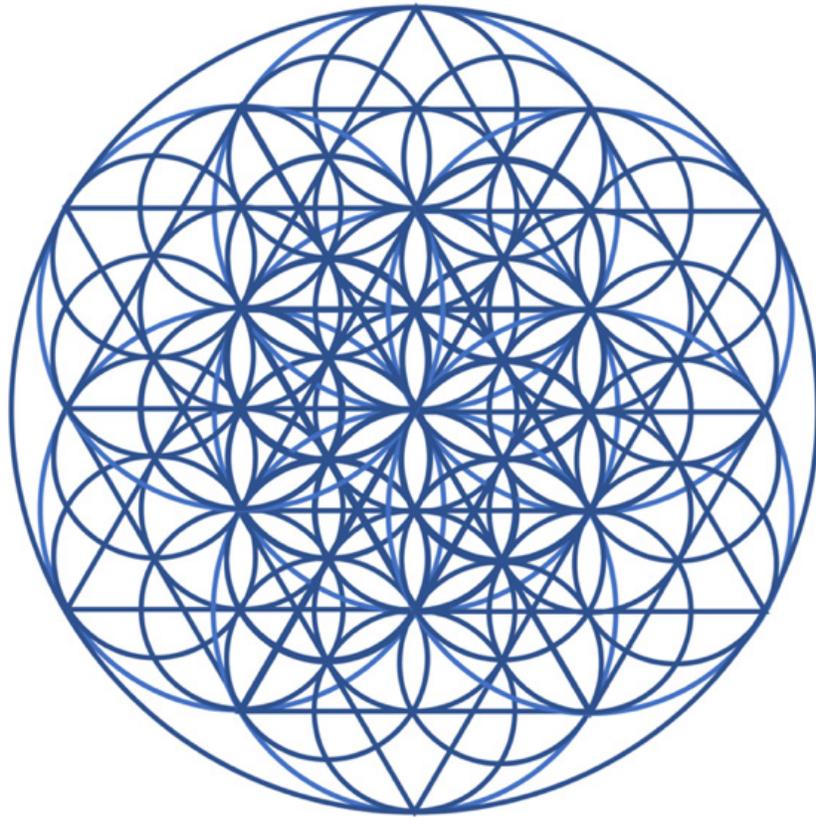


Figure 8: A Thing of Beauty

Notice that with each iteration in this fractal, the same image forms up. Stars of David can be seen at the smallest and largest scale in the image. The same is true of the circles, hexagons, cubes, etc. They scale, doubling in size with each iteration, recreating the pattern in three dimensions at every level of scale.

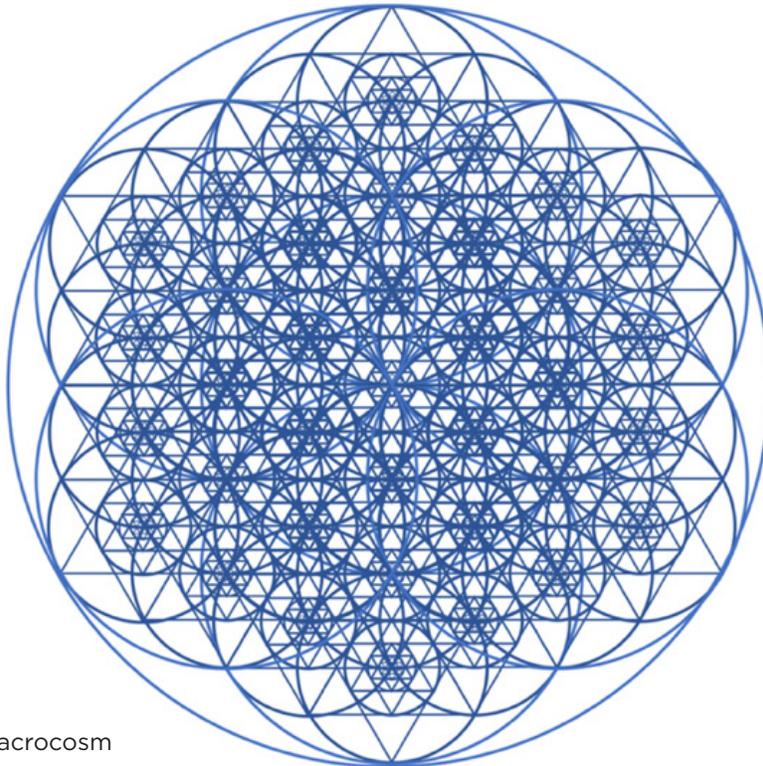


Figure 9: Microcosm and Macrocosm

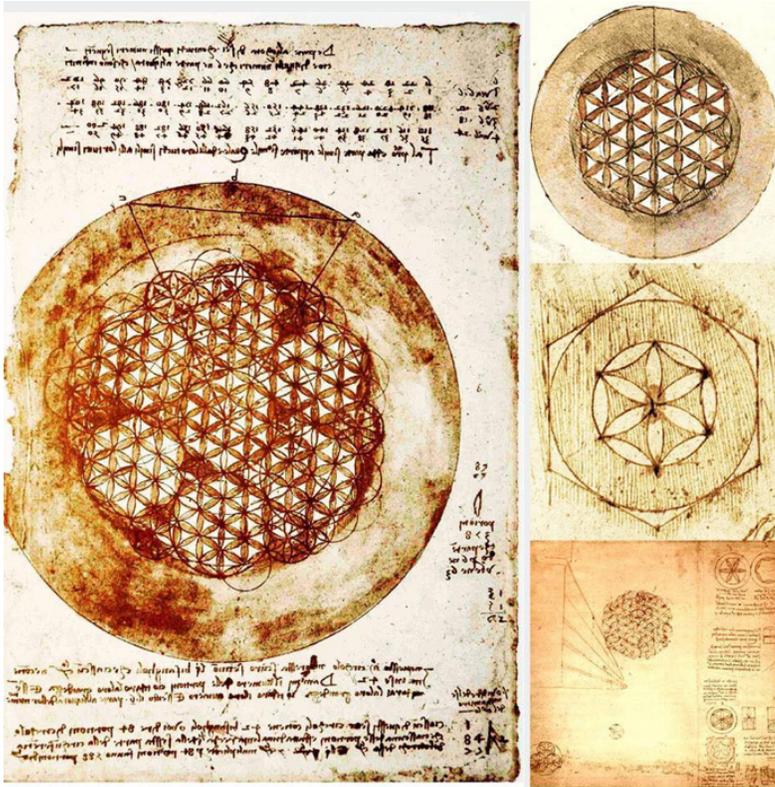


Figure 10: Leonardo's Journal

From researching this image, I discovered it is an ancient symbol. Leonardo Da Vinci has drawn it in his journal (Figure 10), and it appears etched in stone on some of the oldest sacred sites all over the world.

“I AM NOT IN CHARGE”

An important aspect to this story is that *I was not in charge*. I did not know where this process was (and still is) leading me. All I knew is that the images are very beautiful.

I also intuited they may relate to the holographic nature of manifest reality and a geometric pattern through which form and life emerge. It is also the basic geometry embedded in the Leadership Circle. Could it be that The Universal Model of Leadership is universal *because* it is consistent with this pattern?

As I knit the leadership field together to create the Universal Model, I did not know

that the field (of leadership, psychology, etc.) was measuring and describing parts of the model that, when integrated, formed the Universal Model in a structure consistent with a much deeper pattern inherent within reality. This was my intuition and still is.

THE ENNEAGRAM AND THE LAW OF THREE

As I was having fun with the drawings shown on previous pages, I also researched polarities as trinities. This led me to the Law of Three and, interestingly, to the foundations of the Enneagram.

The Enneagram is a powerful personality assessment used for personal and leadership development that is largely integrated into the Leadership Circle Model and Profile. Although I studied it while I was developing the Universal Model, I did not look into its origins. The Enneagram that's familiar (and what I studied as I developed the UML) bears little resemblance to the original Enneagram (other than its geometry). Originally, it was a description of the geometry and musical mathematics (frequency and density) of human transformation and evolution.

The Enneagram derives from the teaching of G. I. Gurdjieff (G.). Gurdjieff was a spiritual teacher who taught in Russia in the early- to mid-1900s. His spiritual background is not fully known, but he claimed to convey ancient spiritual wisdom.

In P. D. Ouspensky's book, *In Search of the Miraculous*, published in 1949, G. describes the Law of Three as follows:

Before examining these influences and the laws of transformation of Unity into Plurality, we must examine the fundamental law of *three principles* or *three forces*. It consists of the fact that every phenomenon, on whatever scale and in whatever world it may take place, from molecular to cosmic phenomenon, is the result of the combination or the meeting of three opposing forces. Contemporary thought realizes the existence of two forces and the necessity of these two forces for the production of phenomenon: force and resistance, positive and negative magnetism, male and female cells, and so on. But it does not observe even these two forces always and everywhere. No question has ever been raised as to the third, or if it has been raised it has scarcely been heard.

According to real exact knowledge, one force, or two forces can never produce phenomenon. The presence of a third force is necessary, for it is only with the help of a third force that the first two can produce what may be called a phenomenon, no matter in what sphere.

The teaching of the three forces is at the root of all ancient systems. The first force may be called active or positive; the second, passive or negative and the third neutralizing. But these are merely names, for in reality, all three forces are equally active and appear as active, passive, and neutralizing, only at their meeting points, that is to say, only in relation to one another at a given moment. — Ouspensky, p77.

If we observe a stoppage in anything or an endless hesitation at the same place, we can say that, at the given place, the third force is lacking.— Ouspensky, p78.

The idea of the unity of the three forces in the Absolute forms the basis of many ancient teachings—consubstantial and indivisible Trinity, Trimurti—Brahma, Vishnu and Siva, and so on.

Each of the three forces contain within it the possibility of all three forces, but at the meeting point of the three forces each of them manifest only in principle—the active, the passive, or the neutralizing.— Ouspensky, p79.

At another point, Gurdjieff described three core types (as in essential nature) of people that correspond with these three Divine attributes. This profoundly suggests that human beings, like everything else, develop from the intersecting of these three forces. The combination of them in each is different, but humans are all made of the trinitarian substance. Like the three primary colors that combine in different variations to make the full spectrum of color, each person is a unique blend of Love (-), Light (+), and Truth (O). Human beings are all three in one—made in the image of the Divine. (This may be at the root of the Enneagram assessment, but G. did not describe the Enneagram as a system of nine personality types.)

THE LAW OF SEVEN

After developing the Law of Three, Gurdjieff then described the Law of Seven, which has to do with the mathematics and energetics of transformation.

The full explication of this law is beyond the scope of this paper, but it relates to wave propagation and the harmonics (music) of transformation. An example is the musical scale of seven notes (A through G) and the Law of Seven. World War II disrupted Gurdjieff's work and he never fully completed it, so the full understanding of the Enneagram is unknown. What we do know is that

G. described the Enneagram as the integration of Law of Three and the Law of Seven into one geometric form and system of transformation.

The Law of Seven is based on the unique mathematics of the number seven. If you take any integer (1 through 9 in our base-10 numbering system) and divide it by seven, you get the same sequence of six numbers that repeat to infinity in exactly the same order. For example, $2/7$ is .285714285714... repeating to infinity. Dividing any other integer (other than 7) by 7 creates the exact same sequence; the only difference is where the pattern starts. The sequence simply starts in a different place. For example, $3/7 = .4285714285714$. As well as being interesting, this has everything to do with the mathematics and geometry of the Enneagram, the geometry of the UML, and the way the natural world scales.

Gurdjieff suggested that $2/7^{\text{th}}$ sequence formed a pattern or movement of energy through the Enneagram (see the direction of arrows through the Enneagram in Figure 11). It represents the energetic circuit or sequence of transformation. He said also that where this pattern crosses the 3 and the 6 of the 369 triangle, an extra “shock” of energy was needed to move the process to the next step (Ouspensky, 1949).

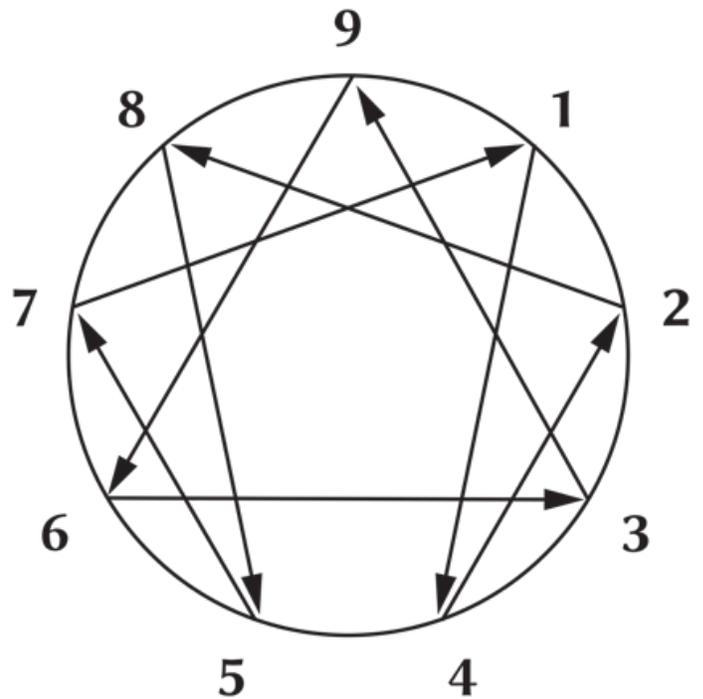


Figure 11: The Enneagram

ZERO-POINT, DIGITAL ROOT MATH

Before unpacking this further, let me explain digital root math.

Digital root math is a process of reducing any number to one integer (1 through 9). You simply add the integers to create one integer. For example, the digital root of 27 is 9 ($2+7=9$). If, when you add the integers in a number and they equal a number greater than 9, you add up those integers until you reduce it to one integer. For example, the digital root of 258 is 6 ($2+5+8=15$, $1+5=6$).

Digital root math is also called “casting out 9s” because you can simply toss 9s (or any numbers that add up to 9) out of the digital root computation. For example, the digital root of 369 is 9 ($3+6=9$, or $3+6+9=18$ and $1+8=9$).

THE CIRCLE OF NINE AS THREE TRINITIES IN THE BASE-10 NUMBERING SYSTEM

The world has adopted a base-10 system of numbers—nine integers and zero. Nine is based on three trinities or three 3s. It is 3 cubed (3^3). 3 plus 3 adds up to 6 and then to 9. ($3+6=9$). Nicola Tesla is credited with saying that if we could ever figure out the significance of 369, we would unlock the keys to the universe.

Although the trinity of 369 has been studied for millennia, its power/code that Tesla suggested has never been cracked. Perhaps there is nothing to it, perhaps not. The closer one gets to it, however, the more it seems Tesla was on to something.

The number 9 is related to the circle/sphere—the most prevalent geometric form in the universe. A circle has 360 degrees, the digital root of which is 9 ($3+6=9$). The digital root of the sum of all angles of any classic geometric form in two dimensions is 9. For example, the triangle has three angles that add up to 180 degrees. The digital root of 180 is 9 ($1+8=9$). A square has four 90-degree angles that add up to 360 degrees—again, a digital root of 9. The interior angles of any three-dimensional form (like the Platonic Solids) have a digital root of 9. For example, a cube has twenty-four 90-degree interior angles that add up to 2160 with a digital root of 9.

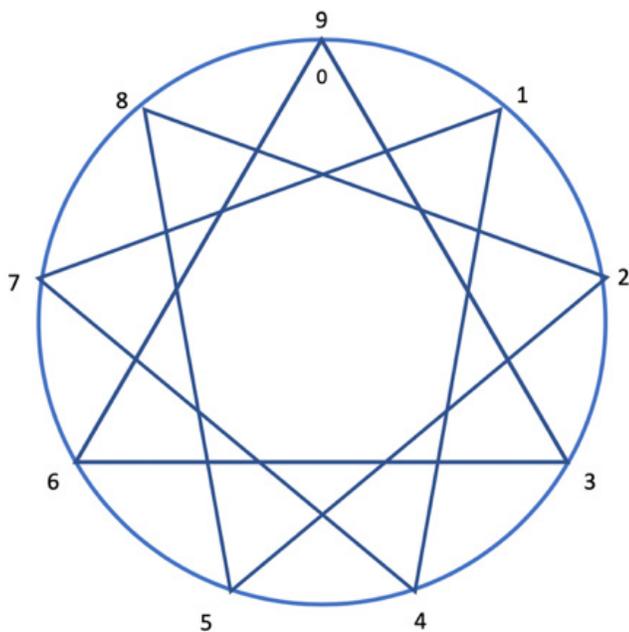


Figure 12: The Circle of Nine, the Zero-Point, and Three Trinities

One of those triangles is 369. The 369 triangle is unique in that any of its numbers add up to the digital root of a number within the 369 triangle ($3+6=9$, $9+6=6$, $9+3=3$, $3+6+9=9$). Therefore, 369

If you arrange the nine integers in a circle starting with zero at the top, the number 9 overlaps with the number 0. (See Figure 12.)

It is important to note that the universe cannot manifest a nothing or a *partial thing*; it can only manifest a something. So, the first emergence from 0 is 1 and then 2 and so on to 9. (In a base-10 system, 9 is the last integer.) Therefore, when we place nine integers around a circle, each time around adds a zero. After 9 comes 10 (1 and 0), but 0 simply marks the order of magnitude—as such, after the ninth time around the circle, we add two 0s to denote the next order of magnitude—100 and so on. Therefore, in Figure 12, 9 overlaps with 0. This is important because, going forward, it will become clear how 9 functions as the zero-point within manifestation.

Another interesting fact the circles of 9 is that all paired opposites (horizontally across the circle) add up to 9 ($1+8=9$, $7+2=9$, and so on).

There are three equilateral triangles that can be drawn in a circle of 9 (369, 147, 258).

is self-referencing. This is not true with the other two triangles (147 and 258). The sum of any of their numbers does not equal a number within that triangle ($1+7=8$, and so on). However, the mathematics of these two triangles is interesting as these two triangles reference each other and 369.

Notice the relationship between the 147 triangle and the 258 triangles. Any paired combination of the three numbers of one triangle adds up to a number on the other triangle. Any combination of two numbers in the 147 triangle adds up to all the numbers of the 258 triangle ($7+4=11=2$, $1+4=5$, $1+7=8$).

This is equally true of the 258 triangle. These two triangles are inverse to, or mirrors of, each other—that is, they add up to each other. Combined in a slightly different order, they add up to 999 ($7+2=9$, $1+8=9$, $5+4=9$). This order (that adds up to 999) becomes significant as the geometry reveals its patterns. In yet a different order, they add up to 369 ($1+2=3$, $7+8=15=6$, $4+5=9$). Thus, these two triangles are inverse mirrors of each other adding up to 369 and 999. The digital root of the 369 triangle is 9, and the digital root of the other two triangles is 3 and 6 respectively ($1+4+7=3$ and $2+5+8=6$). So, the digital root of the other two triangles combined is 9.

THE MYSTIFYING GEOMETRY OF NUMBERS

In the process that unfolded while writing this paper, I did not understand the significance of digital root math for a long time. I kept asking the “so what” question—e.g., so what that 27, 36, 63, 369, 396, 639, and 693 or any combination of numbers adding up to 9 has a digital root of 9? Of what importance is that? What is common about these numbers that makes the digital root significant?

After months of wondering, I was meditating in a place overlooking the bay on Cape Cod. Although I was not thinking about this question, suddenly I was given an answer: “It is a vector.” I asked, “A vector?” “Yes, a vector that shows the location of a number in concentric circles of nine.”

Thus, the digital root is the vector of the number, and it indicates the place (1 through 9) on which that number lands. Notice in Figure 13 that if you start with a circle of 9 and then continue around with a second concentric circle of 10 through 18, then 19 through 27, and so on, it becomes obvious the digital root is a vector. You see that 12 lands on the vector of 3 and so does 21, while 27 lies on the vector of 9 as does 72. All the variations of 369 mentioned above also land on the 9 vector. So, the digital root of a number refers to *its geometric location in the Circle of Nine*.

Furthermore, if you divide a number by 9, you get the level of the number—the concentric circle in which it lands. Take the number 12, for example, $12/9=1.333\dots$ 12

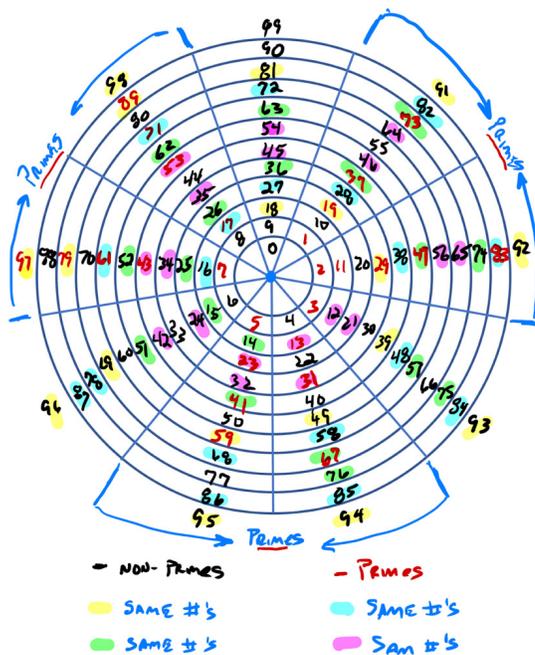


Figure 13: The Circle of Nine, Vectors, and Prime Numbers

is in the first (1) concentric circle (beyond 1 through 9) on the third vector. For $50/9=5.555\dots$, 50 is located on the fifth vector of the fifth row of concentric circles. Notice that the number *before* the decimal point gives the row of its location within the concentric circles, and the infinitely repeating number *after* the decimal point gives the numbers vector. The digital root provides a number's location—that is, where it sits in geometric location related to the Circle of Nine and to unity. And because numbers emerge from unity, they are related to geometries (Figure 13).

THE CIRCLE OF NINE AND PRIME NUMBERS

These three triangles are amazing for another reason. After I discovered that digital root numbers are vector locations, I got an intuitive sense to look for where prime numbers line up in relation to the nine vectors.

This intuition was informed by Robert E. Grant's work on prime numbers (Figure 14). He showed that all prime numbers in a circle of 24 (as in hours in a day) land on six vectors forming a Templar's Cross. (Grant, 2019)

In Robert's diagram in Figure 14, each concentric ring is a circle of 24 (the first ring 1 through 24, the second 25 through 48, and so on). All prime numbers are shown in red. They land on six axes (and only six axes) out to infinity. Green numbers are what he called Quasi-Primes, a new classification, which are numbers divisible by prime numbers 5 and larger. Quasi-primes line up on these same six axes and only these axes. All numbers in orange are numbers that are squares of other prime numbers larger than 3. These numbers only line up on the first axis.

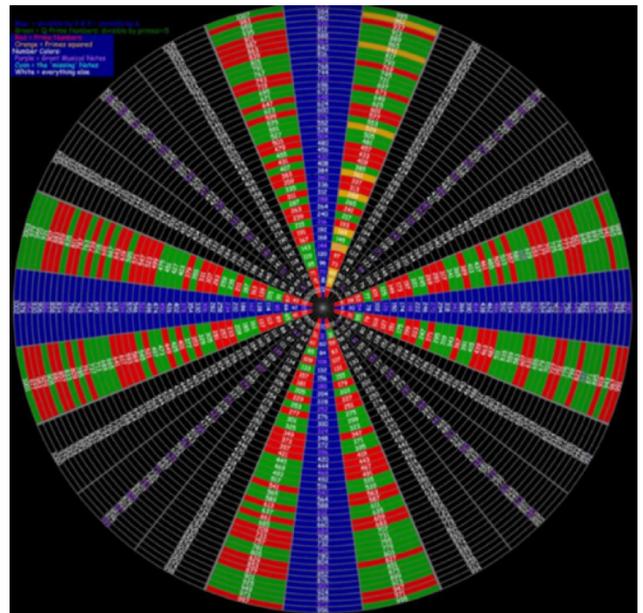


Figure 14: Robert Grant's Prime Number Breakthrough

Trying this same analysis on the Circle of Nine, I found that all prime numbers line up on the 258 and the 147 triangles, while none of the prime numbers line up on the 369 triangle (see the red numbers in Figure 13). Furthermore, quasi-primes follow the same pattern and only line up only on the 258 and 147 triangles.

The squares of primes do not line up on the first axis only, but only on the 147 triangle. In fact, any number that lands on the 147 or 258 vectors, when squared, produces a number that has a digital root of 1, 4, or 7 and never 2, 5, or 8. Squares of numbers that land on the 1 or 8 ($1+8=9$) vector, when squared produce a number with a digital root of 1. Squares of numbers that land on the 2 or 7 ($2+7=9$) vector, when squared, produce a number with a digital root of 4. Squares of numbers that land on the 4 or 5 ($4+5=9$) vector, when squared, produce a number with a digital root of 7. Finally, the pattern of the six vectors upon which all these numbers line up forms a triangular shape, not a templar cross (surprise, surprise).

Robert also showed an interesting related pattern in his circle of 24 that relates to the 258 and 147 triangles. If you reduce his circle to digital root numbers, each of the axis upon which primes are located will follow a pattern of 147 or 258. Each concentric ring along the first prime axis will be either a 1, 7, or 4 in that repeating order out to infinity. The axis opposite it will also follow a 174 pattern but in the opposite direction. Each of the six axes upon which prime numbers land alternate between a variation on a 147 or a 258 pattern.

Clearly these two triangles, 147 and 258, are unique. They reference (add up to) each other and the 369 triangle. All primes, quasi-primes, and squares of primes line up on these two triangles. But that is not all. Stay tuned.

TRIANGLES AND THE NUMBER SEVEN

The 147 and 258 triangles are unique in how they relate to the number seven. Recall that if you divide any integer by 7, you get the same sequence of six numbers that repeat to infinity. This 285714 pattern of numbers is comprised of the two triangles 174 and 258. In fact, its order is one triangle and then the other triangle (285, then 714) repeating to infinity. This is the Enneagram sequence. These two triangles add to 9, as we have seen. The Enneagram sequence adds up to 9. In addition, $22/7$ is Archimedean Pi—3.14285714 (which is the number 3 followed by the repeating $1/7^{\text{th}}$ pattern), so these two triangles approximate Pi. These two triangles and the Enneagram ($2/7$) sequence are also related to the doubling sequence.

THE DOUBLING SEQUENCE

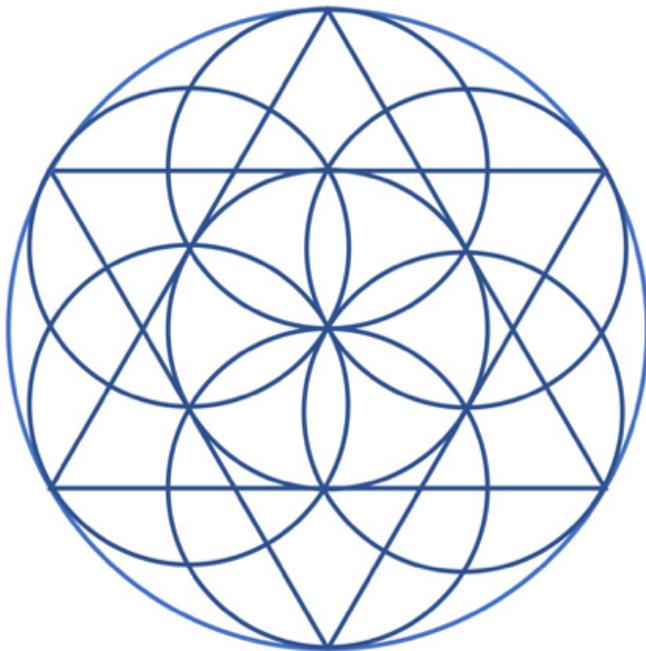


Figure 15: The Seed of Life

Life scales in patterns. One of those patterns is the doubling sequence. For example, a single celled zygote divides into two cells. The two cells then each divide again for a total of four cells, and so on. When the zygote is in its early stages of doubling, it forms a six-pointed star in two dimensions and a star-tetrahedron in three dimensions. In sacred geometry, this form is the Seed of Life, which scales to the Flower of Life (Figure 15).

The doubling sequence is also built into the geometry of Figure 15. The circle and hexagon formed within the Star of David is half the size of the outer circle/hexagon. Through a doubling sequence, this geometry scales into the Flower of Life (Figure 16). This structure doubles infinitely.

The doubling sequences is simple:

1, 2, 4, 8, 16, 32, 64, 128, 256, 512, 1024, 2048...

The digital root of this doubling sequence forms the following repeating pattern:

1, 2, 4, 8, 7, 5, 1, 2, 4, 8, 7, 5... Note that there is a six-number repeating pattern here.

This 1, 2, 4, 8, 7, 5 pattern repeats to infinity. Notice anything familiar about it? There are two remarkable and significant aspects to this sequence. First, it contains only the numbers in the fraction $2/7$. Second, it is comprised only of the numbers that make up the 147 and 258 triangles.

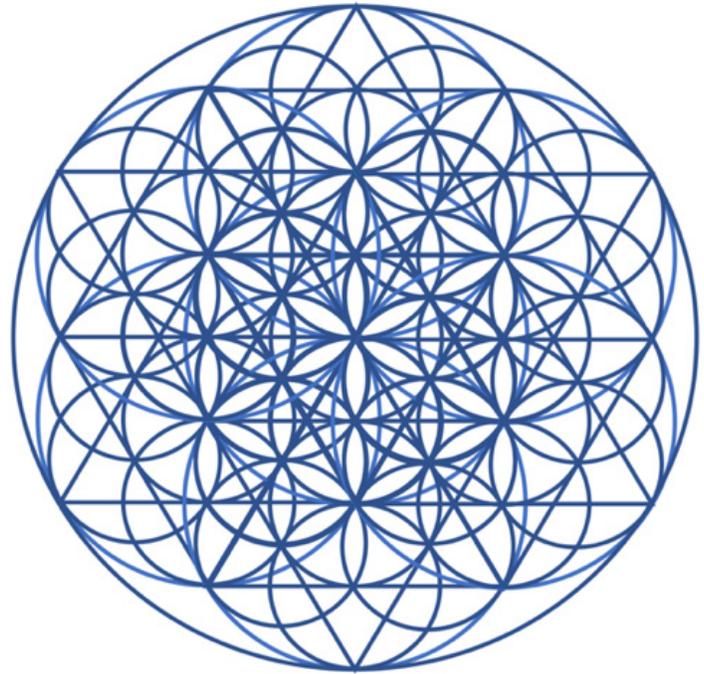


Figure 16: The Seed of Life Scaled into the Flower of Life

The doubling sequence is comprised of the same numbers as the Enneagram ($2/7$) sequence but in a different order. However, when you look at every other number in the doubling sequence, you see the 147 and 285 triangles. The doubling digital root sequence does not produce a 3, a 6, or a 9, but the digital root of this number is 9. If you add this sequence to the same sequence inverted ($124875 + 578421$), you get 693396 ($1+5=6$, $2+7=9$, and so on)—a pattern that become significant as this story unfolds. Furthermore, if you add 147 and 285, you get a digital root of 33^3 . Each pair in the sequence adds up to 3 ($1+2=3$, $4+8=3$, $7+5=3$). So, this number is three 3s or $33 = 9$.

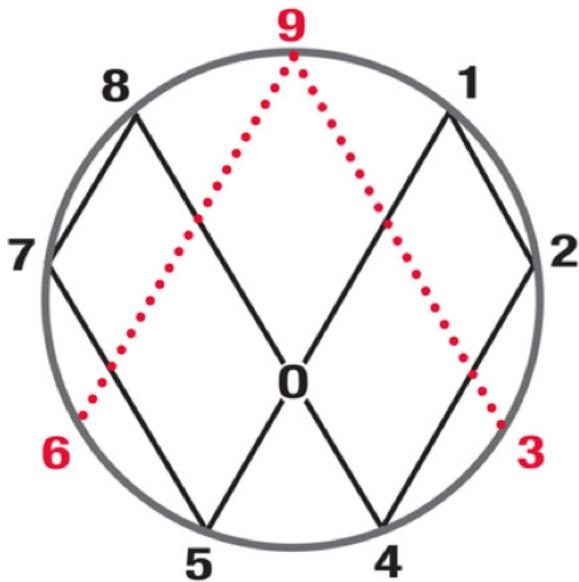


Figure 17: Rodin's Energy Circuit

If you form a doubling sequence with any number in the 369 triangle, only 369 results. If you continue to double 3, you get the following digital root sequence: 363636. If you double 6, you get 636363. If you double 9, you get a 999999 digital root pattern. Contrarily, if you double any number in the doubling sequence, you get the doubling sequence starting from that point. Clearly, the 369 triangle functions differently than the 147 and 258 triangles.

I came across the doubling sequence from the work of Marko Rodin while poking around the internet to learn more about the nature of the geometry and mathematics that had already downloaded for me. Rodin makes the claim that the doubling sequence is an energy circuit. He draws it as shown in Figure 17 (Rodin, Collected Papers).

Rodin claims that energy follows this doubling loop sequence, making an infinity loop crossing through the zero point. He says this pattern of circulation creates a torus energetic *field*. Patterning this mathematics onto a torus shape, he developed what he called Vortex Math. He also developed an electrical coil based on this pattern.

Discussing Rodin's Vortex Math and coil is beyond the focus of this paper, but I found it curious that both Rodin and Gurdjieff described the pattern of numbers resulting from $2/7$ as a doubling energy circuit. I wondered if the image I took to be the structure of the Leadership Circle (Figure 18) had something to do with the energetic dynamics of transformation.

Was the Leadership Circle patterned off a deeper pattern in nature related to the movement of energy in the transformation of form (energy-matter) from one energetic octave/level (frequency/density) to another?

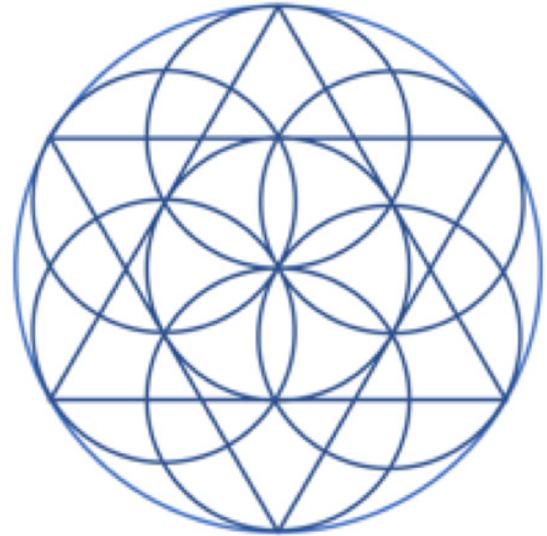


Figure 18: The Seed of Life—The Geometric Structure of the Leadership Circle UML

LOST AND CURIOUS

At this point in my intuitive process, I became extremely curious yet I had no sense of where all this was going. Frankly, having no background in any of this, I was not even sure how to form the questions. I was puzzled because the six-pointed star, hexagon, and Flower of Life image was not a Circle of Nine. In fact, there is no six-pointed star that forms within the Circle of Nine.

I remained curious and confused about how all this might come together. It is important to get a sense of how intrigued I was with this and how lost I became with what I was potentially “learning.” I realized I was in the midst of the most interesting creative process of my life. It was being led entirely by intuition in my morning meditations. I had no idea where it was leading and what wanted to be created/known. Was I on an extravagant wild goose chase to nowhere or, perhaps, something significant? I did not know which, but was very intrigued by the process and what I was learning about intuition. It had chosen me. I was just along for the ride.

INTEGRATING THE ENNEAGRAM (2/7) AND DOUBLING SEQUENCE—THE FIRST ENERGETIC PATTERN

Given my emerging question about the energetics of transformation, I wondered if there was a way the Enneagram sequence integrated with the doubling sequence and what this had to do with anything.

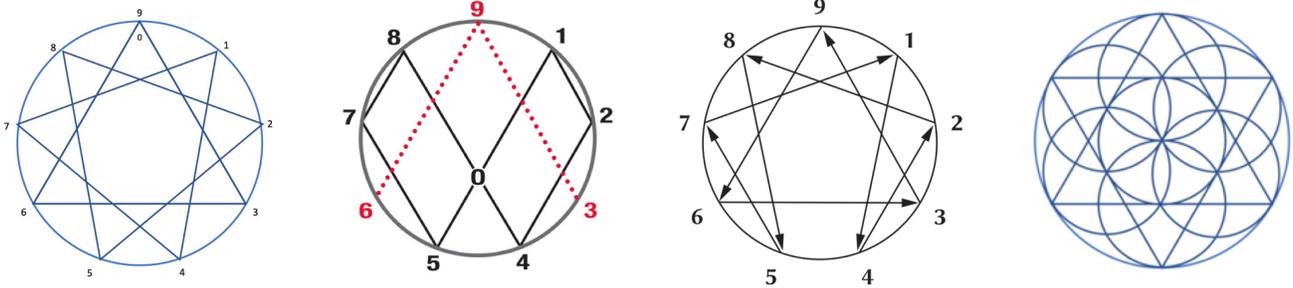
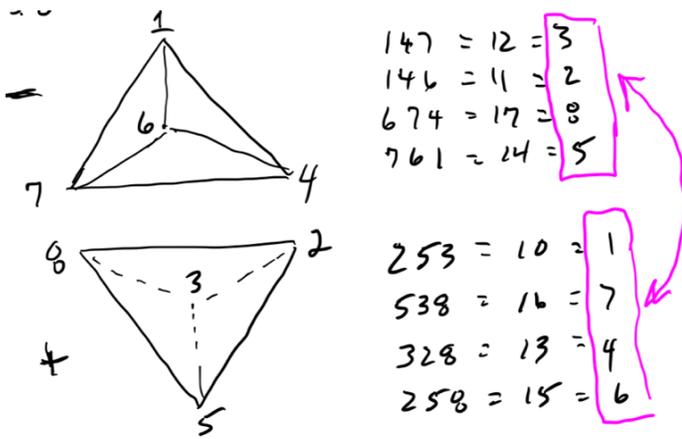
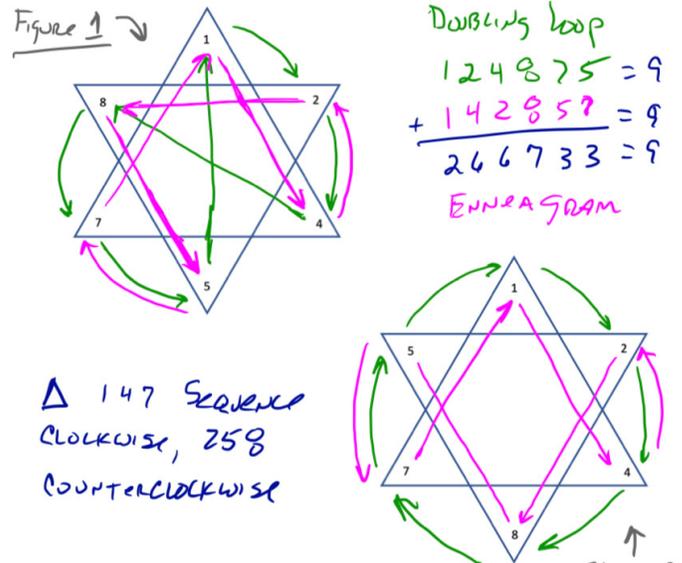


Figure 19: Do They Integrate?

How do the images in Figure 19 images integrate? Or do they? I started to play with this in my journal and was intuitively directed to draw the doubling loop as a six-pointed star. I did this to be consistent with the hexagonal structure of the Leadership Circle. In doing this, I had the sense that the 3 and 6 in the Rodin diagram were the numbers on the other two points of the three-dimensional star tetrahedron. This put 3 and 6 across from each other to total to 9, making 9 in the middle as the zero-point (Figure 20).



$$\begin{aligned}
 147 &= 12 = 3 \\
 146 &= 11 = 2 \\
 674 &= 17 = 8 \\
 761 &= 24 = 5 \\
 253 &= 10 = 1 \\
 538 &= 16 = 7 \\
 328 &= 13 = 4 \\
 258 &= 15 = 6
 \end{aligned}$$



Doubling loop

$$\begin{aligned}
 124875 &= 9 \\
 + 142857 &= 9 \\
 \hline
 266733 &= 9
 \end{aligned}$$

ENNEAGRAM

Δ 147 SEQUENCE
CLOCKWISE, 258
COUNTERCLOCKWISE

Figure 20: Two Halves of the Star Tetrahedron and Associated Math

I knew this was inconsistent with the Circle of Nine because it has no six-pointed stars within it. But I went ahead anyway, and the diagram in Figure 20 resulted. My initial attempt was to organize the numbers in numerical order clockwise (124578) as in Figure 1 (of Figure 21) below. I then traced the doubling loop and the Enneagram number patterns over this diagram to see how they patterned. The doubling loop produced an interesting infinity loop pattern (in green). It not only forms an infinity loop, but it

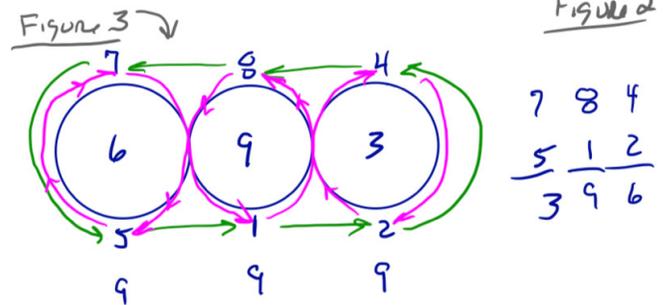


Figure 21: Integrating the Doubling Loop and the Enneagram Sequences

switches triangles moving from one number to the next (i.e., 1 and 2 are on different triangles). This means that the lines going through the center are crossing in the zero-point center point between the 3 of one tetrahedron and the 6 of the second tetrahedron. I suspect this point is 9 forming a 396 pattern.

This was intriguing, but I saw no discernable/meaningful pattern to the Enneagram (Pink). I struggled with this for weeks, and then I was intuitively directed to try the 258 triangle with the numbers going in counterrotation (counterclockwise), 285. Figure 2 (of Figure 21) resulted.

With the 258 triangle in counterrotation from the 174 triangle, the doubling sequence formed a circle and the Enneagram formed a triple loop infinity pattern. The circle of the doubling loop still moves from triangle to triangle with each progression as in Figure 1, and the Enneagram infinity loop switches triangles at the 3 and the 6 point (between 4 and 2 and between 5 and 7). This is exactly where Gurdjieff said that additional shocks are needed to keep the flow of energy happening!

I then drew the same pattern in a different way in Figure 3 (within Figure 21). This figure is the triple infinity loop with the doubling loop around the outside and the Enneagram following the triple infinity loop pattern. I noticed that numbers of the left circle added to 3, the middle circle to 9, and the right circle to 6 (396). Because this structure derived from a star tetrahedron structure, I put 693 in the middle of each circle to make each circle total 9. This resulted in a center circle of 198, which I took to be the neutral circle, and the 432 and the 567 circle as the positive/yang and negative/yin circle. (I did not know which was which.) Note that 432 plus 567 equal 999 (4+5, 3+6, 7+2). Was I on to something?

I played with this pattern for many weeks. If you scanned through my journal, you would see how I pursued it in many different directions and iterations seemingly with no new insight. Then one weekend came the breakthrough. I awoke on Saturday morning and, in meditation, was instructed to form this pattern as a six-pointed star by rotating it at 120-degree angles. With that inspiration, I went to work on what I had visualized (Figure 22).

To create this image, I simply took Figure 3 (in Figure 21) and oriented it vertically (in green in Figure 22). I then copied and rotated it twice, alternating the 432 and the 765 circles (purple and blue). The first thing I noticed was that a 666 (which adds up to 9) triangle and a 333 (which adds up to 9) triangle formed a six-pointed star. The 198 inner circle is quite interesting. The 9s in the center overlapped, forming three curved spirals emerging from center/0. The outer circle formed a 181818 alternating pattern. Within this pattern is a 111 (adds up to 3) triangle and an 888 (adds up to 6) triangle.

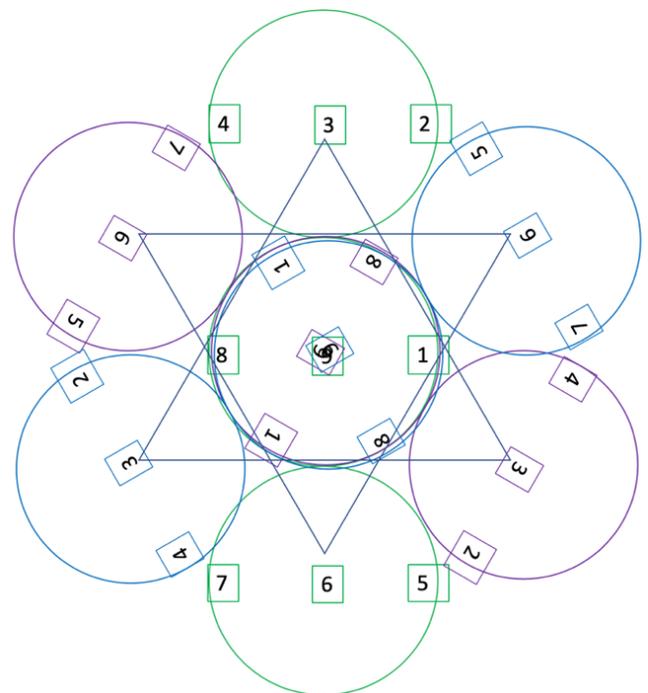


Figure 22: The First Energetic Pattern

The more I studied this pattern, the more remarkable it became. I challenge you to see if you can find the following patterns (and more) in Figure 22.

- Each of the three circles on the vertical and diagonal axis form the doubling circuit around its perimeter and the Enneagram circuit in a triple loop infinity spiral.
- The numbers in every circle add up to 9.
- Each pair of numbers across every diagonal add to 9. Along this diagonal in the inner circle is a 1, 9, and 8, which adds up to 9. So, the whole series of numbers on every diagonal adds up to 9.
- The number 9 is the center or zero-point.
- If this image is copied/doubled, laid on top of each other, and rotated such that the 432 circle lays on top of the 765 circle, all numbers add up to 9—including the inner circle.
- Pairs of adjacent numbers where the outer circles touch form a trinity/triangle of numbers with the number in the center (1 or 8). These combinations alternate 714 and 285 in that order.
- Again, looking at these same pairs of adjacent numbers, 52 is opposite 74 or 25 is opposite 47. Both pairs subtract to 22. Note: $22/7 = \text{Archimedean Pi}$. Archimedean Pi is 3 plus the Enneagram sequence of $2/7$.
- The inner circle adds up to 9 as seen, but it also subtracts to 9. $81-18 = 63 = 9$
- The opposite pairs of 4, 2 and 7, 5 subtract to 33. $75-42=33$ or $57-24=33$
- $234-567 = 333$, $765-432=333$
- $765-567=198$, which is the center circle number. Likewise, $432-234=198=9$
- When inversed paired numbers in outer circles are subtracted, the result is 18. $42-24=18$, $75-57=18=9$
- There is a triangle of numbers formed by the 3 and the 6 with the center numbers 1 and 8. The 318 triangle and the 618. When added, these numbers generate the numbers (adjacent to the 3 or 6) in the outer circle. $3+1=4$, $3+8=2$. The same is true for the 618 triangles.
- The 618 triangle is the Phi constant (1.618 or .618). The 318 triangle suggests the constant .318, which results when the Golden Angle (Phi Angle) of 137.5 is divided by 432 ($137.5/432=.318$). This number, .318, is also a form of Pi as $1/.318 = \text{Pi}$. Therefore, both Pi and Phi are referenced here.
- The 381 triangle totals to 3 when each of the numbers of the two triangles 319 and 619 are added, the result is 999. When each of the numbers of 618 is subtracted from 999, the result is 318. So, $999-\text{Phi}=381$. Furthermore, if you simply add the numbers 318 and 618, the result is 936. $618-318=3$, so $10 (\text{Phi}-1/\text{Pi})=3$.
- All same numbers form equilateral triangles with themselves. There is a 111 triangle, an 888 triangle in the center, as well as a 222, 333, 444, 555, 666, and 777 triangle in respective order around the outer circles.

- There are three 9s in the center, which add up to 9. All the equilateral triangles add up to 3, 6, or 9. $111=3$; $222=6$; $333=9$; $444=3$; $555=6$; $666=9$; $777=3$; $888=6$
- 432, 234, 765, 567 are all notes in the Pythagorean tuning system.
- 198 is half of 396.
- Subtracting the pairs within the circle = 2, (7-5, 4-2); adding the pairs = 6 and 3.
- Adjacent numbers add to 2 or 7 ($2+5=7$ and $4+7=2$). $2+7=9$ and $2/7$ is the foundation of this whole pattern.
- There are also 714 and 285 triangles inversely related to the 618 and 381 triangles. This relates the 714 and the 258 triangles studied here both Pi (22.7 and 381) and Phi (618).
- 186 is the speed of light constant in miles/second.

With so much going on within this geometry, I was getting excited! I then thought this diagram could be simplified by collapsing the inner circle as it is the zero point. So I arranged the same pattern into the diagram in Figure 23, which should look familiar. If you study this diagram, you will see it is the same pattern as the previous image, but it is organized into the form of the deeper pattern being studied. The 636363 flower in the center is created by adding the pairs in the outer circle. If you add all three numbers, you get a flower of all 9s.

As I studied this diagram, I realized there is an infinity loop circuit through all the circles that adds up to 9. Start anywhere and follow an infinity loop adding the numbers as you go. When you complete the loop, the total will have a digital root of 9. I sensed this to be an energy loop like electricity, but I do not have the background or scientific education to speculate further.

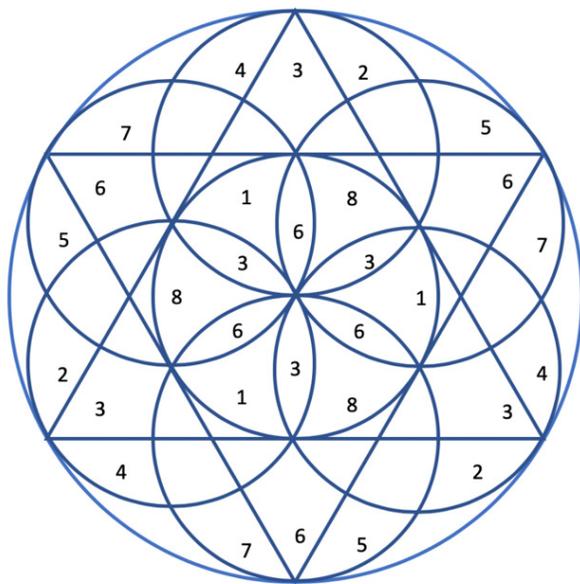


Figure 23: Simplified First Energetic Pattern

This pattern (Figure 23) integrates all the patterns: the Enneagram, the doubling sequence, the Star of David, the Seed/Flower of Life, and the Leadership Circle Model into one mathematical/geometric pattern. This development thrilled me! I did not know what it meant, but it sure was elegant.

Yet despite my excitement, there was this nagging thought: “There are only two polar circuits, not three. There is a yin and a yang with neutral in the center, but there is no third, neutral polarity (one different from 432 opposite 765 and neutral made of 1s, 8s, and 9s). There are also no 369 triangles.”

So, while feeling excited, I remained unsettled and curious. As I quit working on this, though, my intuitive inner voice spoke to my unsettledness. “Try Fibonacci.” What did this mean? Exhausted, I knew it would have to wait until my brain rebooted.

PHI AND FIBONACCI

The next day, I started in to work with Fibonacci, having no idea where it might lead. But before continuing, let me talk about Phi—one of the most interesting, omnipresent constants in the universe as I was learning. Much of what could be said goes beyond the scope of this paper, so I encourage you to study more about Phi—one of the most fundamental constants by which the universe scales.

Phi is the constant 1.618... It is an irrational number with the decimal sequence going on forever. Phi is referenced by other names (e.g., the Golden Ratio, the Divine Proportion) because it is so unique and because it can be seen all through the natural world. It is the only number in which the decimal portion of the number multiplied by the integer equals one ($1.618 \times .618 = 1$). It represents the one point in a line where the longer segment divided by the shorter segment is equal to the entire line divided by the longer segment (Figure 24).

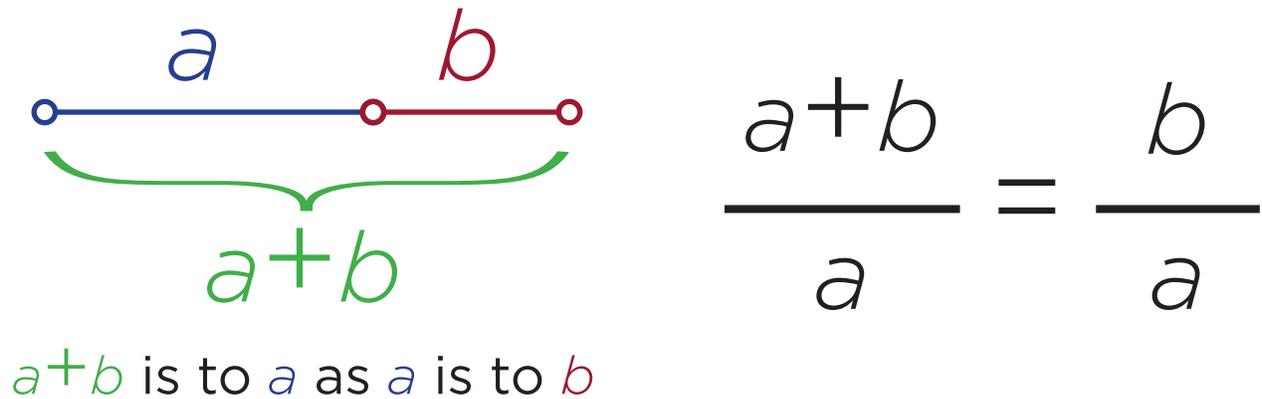


Figure 24: Phi and the Golden Ratio

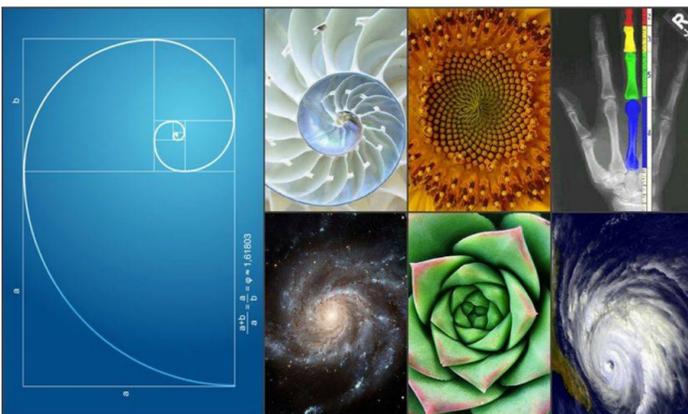


Figure 25: Phi in Nature

This ratio is found everywhere in nature—in the ratio of the lengths of the human arm and of the digits in the hand. It is found in the perfect spirals of shellfish and galaxies and in the structure of DNA and the human brain. It is one of nature’s most important scaling constants (Figure 25).

Phi is also related to the doubling scaling sequence. Phi divided by a doubling sequence results in the doubling sequence as follows (Figure 26).

Note: Phi here is reduced to 1.6, as taken from Marshall Lefferts’s book, *Cosmometry*, published in 2019. Phi is also built into the doubling sequence of circles (Figure 27).

	Phinary	=	Binary
Phi/16 =	.10112	=	1
Phi /8 =	.20225	=	2
Phi /4 =	.40450	=	4
Phi /2 =	.80901	=	8
Phi =	1.61803	=	16
2x Phi =	3.23606	=	32
4x Phi =	6.47213	=	64

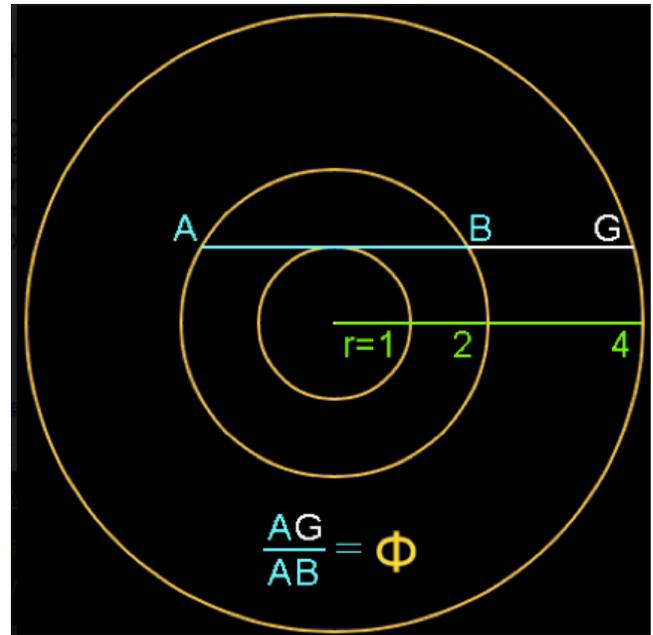


Figure 26: Phi and the Doubling Sequence

Figure 27: Phi and the Doubling Sequence

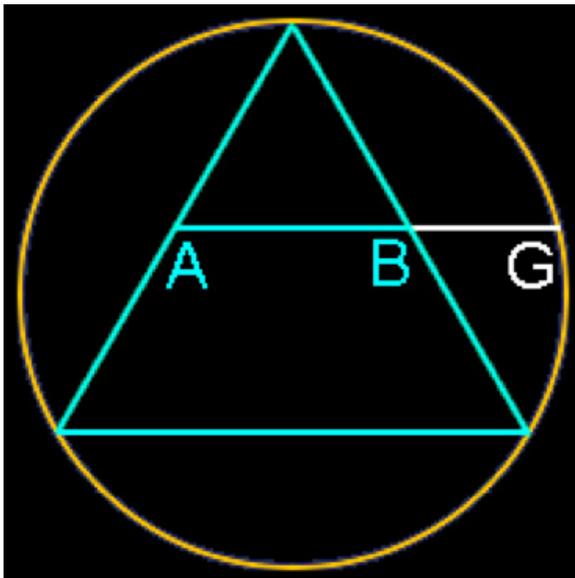


Figure 28: The Seed of Life and Phi

The length of line AB divided by the length of line BG is 1.618, which is Phi.

Because Phi is related to both the doubling sequence and to scaling/doubling of circles and spheres, it is also embedded in the Seed of Life geometry (Figure 28).

In this Seed of Life geometry, notice that the center of the side of each equilateral triangle is intersected by two circles at the same point they overlap. This forms a Vesica Piscis of the same length as line segment AB in the adjacent circle. (Line AG divides the side of the equilateral triangle in half as do the overlapping circles in the Seed of Life geometry.)

The ratio of AG/AB is Phi, or 1.618. Phi is embedded in the Flower of Life image. Because these line segments are created by overlapping circles, Phi directly results from Pi. Therefore, integrated in this one geometric form (which is the same geometry as the UML) are Phi, Pi, circles, equilateral triangles, and hexagons as well as spheres and star tetrahedrons in 3D.

A little more about Phi: The geometry of the pentagon is full of Phi relationships. The Greek word Phi is related to the number 5 and the pentagon is five-sided. Phi's relationship to a pentagon is important to the study concerning the geometry of how nature scales. Pentagonal structures are ubiquitous in nature—just look at all the five-petaled flowers.

Furthermore, because the amino acids of DNA are made up of hexagonal and pentagonal molecular structures, both are interrelated core universal scaling geometries. A future paper will show how the hexagon and the pentagon relate to each other and how Phi is the mathematical integrative link between these two geometric forms. But for this analysis, I am exploring the relationship between Phi and hexagonal structures.

PHI AND FIBONACCI

Phi is related to the Fibonacci Sequence. The Fibonacci Sequence has been known for millennia but is named for Leonardo of Pisa, known as Fibonacci. He first introduced the Fibonacci Sequence to the West through his book, *Liber Abaci: The Book of Calculation*, published in 1202.

Fibonacci noticed that nature tends to scale not only by doubling but by this sequence:

0, 1, 1, 2, 3, 5, 8, 13, 21...

Thus, the first emergence from 0 is 1. The sequence then proceeds by adding consecutive numbers: $0+1=1$, $1+1=2$, $2+1=3$, $3+2=5$, and on to infinity. The Fibonacci Sequence is a Phi (1.618...) sequence. It approximates Phi by dividing any number in the sequence by the prior number in the sequence. For example, $8/5=1.6$ while $13/8=1.626$. The further out the sequence goes, the closer this division gets to Phi, oscillating over and under it, only approximating it ever more closely.

Notice that 1.6 is less than Phi, and 1.628 is greater than Phi. This pattern of over and under repeats with each consecutive number ever more closely approximating Phi but never reaching it (Figure 29).

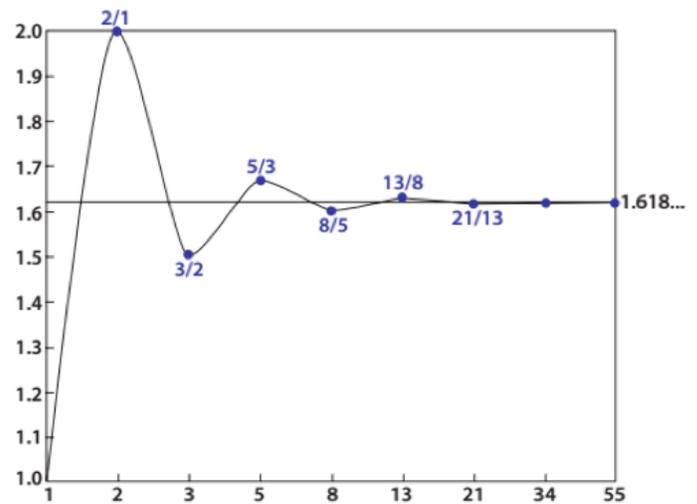


Figure 29: Fibonacci Sequence and Phi

TRY FIBONACCI

Back to my story. The morning after hearing, “Try Fibonacci,” the first thing I did was to create a Fibonacci sequence. I then converted each number in the sequence to its digital root (Figure 30).

To my surprise, the digital root Fibonacci Sequence creates a repeating sequence of 24 numbers as follows:

112358437189887641562819112358437189887641562819112358437189887641562819

This 24-number digital root Fibonacci Sequence repeats over and over. This digital root Fibonacci repeating 24-number pattern goes on to infinity. While this was completely astonishing to me, it

Count	Fibonacci Sequence	Digital Root	Count	Fibonacci Sequence	Digital Root
1	1	1	25	75,025	1
2	1	1	26	121,393	1
3	2	2	27	196,418	2
4	3	3	28	317,811	3
5	5	5	29	514,229	5
6	8	8	30	832,040	8
7	13	4	31	1,346,269	4
8	21	3	32	2,178,309	3
9	34	7	33	3,524,578	7
10	55	1	34	5,702,887	1
11	89	8	35	9,227,465	8
12	144	9	36	14,930,352	9
13	233	8	37	24,157,817	8
14	377	8	38	39,088,169	8
15	610	7	39	63,245,986	7
16	987	6	40	102,334,155	6
17	1,597	4	41	165,580,141	4
18	2,584	1	42	267,914,296	1
19	4,181	5	43	433,494,437	5
20	6,765	6	44	701,408,733	6
21	10,946	2	45	1,134,903,170	2
22	17,711	8	46	1,836,311,903	8
23	28,657	1	47	2,971,215,073	1
24	46,368	9	48	4,807,526,976	9

Figure 30: Fibonacci Digital Root Sequence

191
1
235
8
437
1
898
8
764
1
562
8

Figure 31: Hidden Doubling Patterns and 396 Pattern within Fibonacci

was not new. This repeating pattern has been known, but I did not know that until much later. For me, this was an astonishing discovery.

I then began to notice patterns within this pattern. There are many. For example, the entire sequence adds up to a digital root of 9. The sequence can be split in half, and if the second-half order is reversed and added to the first half, each pairing adds up to 9. The same is true of the whole pattern. If two of this same sequence are ordered in opposite directions, each pairing adds up to 9. But it was noticing the next hidden pattern that amazed me and led to a breakthrough that was intuitively suggested: "Try Fibonacci."

I noticed that after every three numbers come either a 1 or 8. When I saw this, I heard an intuitive voice say, "This is a branching code." I had no idea yet what that meant, but it caused me to organize the sequence as in Figure 31:

What do you notice? Down the left side of the columns of numbers is the doubling sequence. Start at the top left and work down, 1-2-4-8-7-5. This is the digital root

doubling sequence. Now work from the bottom-right and go up. 2-4-8-7-5-1. This is the same doubling sequence running in the opposite direction. So, within the Fibonacci Sequence are two digital root doubling sequences starting at 1 and running in inverse directions repeating to infinity. Remember that the doubling sequence is comprised of the same set of numbers as the 147 and 258 triangles, 2/7^{ths} and the Enneagram.

Ignoring the 1-8 binary pattern that separates the six sets of three numbers, these inverse doubling sequences are also separated (running down the middle) by the numbers in the third triangle (369) in a pattern as follows 9339669... Remember this pattern from earlier? This, too, is an inverse sequence of 396, followed by 693 over and over.

When added together, each set of three numbers forms a doubling sequence (191=2, 235=1, 437=5, 898=7, 764=8, 562=4). If you start with the digital root sum of 1 and move to the left, the doubling sequence follows in order (124875). So, the Fibonacci Sequence is two inverse doubling sequences, intersecting with an inverse 396 693 sequence, netting out to a doubling sequence repeating to infinity.

What about the 1, 8, 1, 8, 1, 8 pattern? This is the same pattern that emerged in the inner circle of the first Energetic Pattern earlier (Figure 23). It is a binary pattern that adds up to 9. When I noticed all this and how the 1818 pattern splices the Fibonacci sequence into six sets of three numbers, I intuited that this number patterns itself to a hexagon with 1 and 8 aligning where the lines meet (branch). Remembering that the Leadership Circle is a three-by-three hexagram, I was naturally curious to see how these numbers patterned to the hexagram. The following image resulted (Figure 32).

The Fibonacci Hexagram

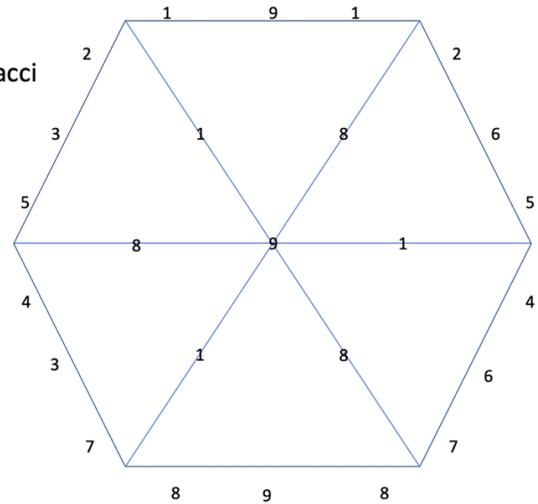


Figure 32: The Fibonacci Hexagram

In this image and in every other image, the sequence runs counterclockwise. What stunned me when I laid it out are the three polarities—a yin polarity, a yang polarity, and a neutral polarity. The neutral polarity runs down the center (191 opposite 898); the yin and yang polarities run diagonally (235 opposite 764 and 437 opposite 265).

Since the Seed of Life geometry is hexagonal, the Fibonacci Sequence also patterns to it as follows (Figure 33).

Let's walk through the diagram. It starts with 9 at the top and then the sequence moves counterclockwise. Each number in the sequence is located at the perimeter of the flower diagram near where it belongs in the sequence. The 1 and 8 branching points are located where the inner hexagram (created by the star) branch. If you follow around the circle, the entire sequence can be seen.

Phi-Fibonacci Circle

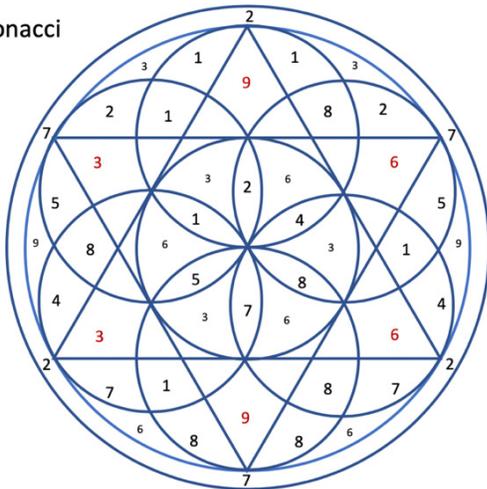


Figure 33: Phi-Fibonacci Circle

The numbers on every diagonal add to 9. For example, the 9 at the top is opposite the 9 at the bottom, and the digital root of their addition is 9. The 1 to the left of 9 is opposite 8, which adds up to 9, and so on around the circle. The significance of this seemed important as 9 is the zero-point in this math. Therefore, I hypothesized that paired numbers adding up to 9 are inversely related to each other—a polarity.

In fact, everything about this image is inverse and opposite. Take any one of the set of three numbers (between the 1s and 8s) and you find opposite the inverse set of three numbers. Not only that, the pair of two outer numbers (in the set of three numbers) is from one of the triangles in the circle of 9 (147, 258), and those two numbers are always opposite numbers on its inverse triangle.

Notice the Law of Three in this image—its trinitarian nature of being all triangles. It contains all three triangles in the circle of 9. And it has three polarities. The neutral pole is 191 opposite 898. There

are two yin and yang poles—235 opposite 764, and 437 opposite 562. There are six sets of three numbers (spliced by 1 and 8), and there are 3s all the way through.

This diagram also integrates the Law of Seven (2/7). The numbers in the inner flower are the sum of the three numbers in the Fibonacci Sequence to which the petal of the flower points (i.e., 1 points to 235, which has a digital root of 1. 5 points to 437 with digital root of 5, and so on). In other words, the digital root of the set of three adjacent numbers (between the 1 and 8 branching numbers) add to a doubling sequence. This doubling loop moves in a circle similar to the way I was led to integrate the doubling sequence and the Enneagram. The pedals of the flower form two triangles 147, and 285, and they are inversely related, forming a Star of David. They are also arranged in counterrotation, forming the same structure and mathematics that integrated the Rodin’s doubling loop circuit with the Enneagram!

Robert Edward Grant’s mapping of prime numbers to circle of 24 also lines up with this Fibonacci pattern (Figure 34).

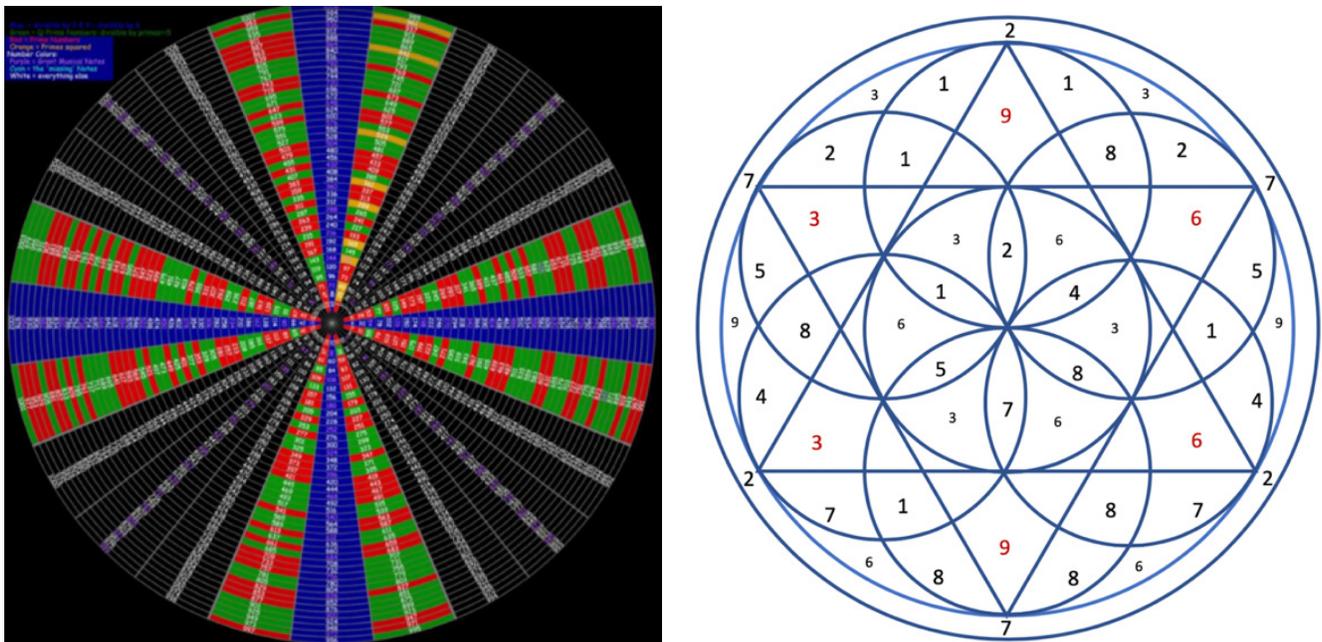


Figure 34: Prime Numbers and the Fibonacci Circle

I find it interesting that all prime numbers line up on the 1-8 and 4-5 axes and only on these axes. Primes line up on the axis with numbers closest to 9 (1 and 8 on the Circle of Nine and furthest from 9, 4, and 5) in the Circle of Nine. This represents the neutral polarity (vertical) (0) and the masculine/feminine polarity (left and right) (+-).

As before, when I showed that prime numbers only landed on the 147 and 258 triangles and not on the 369 triangle, I noticed that the primes do not line up on the 369 triangles, nor do they line up on the branching diagonals of 1 and 8.

More hidden perfection resides in this pattern. Notice the small numbers near the outer ring. They are formed by adding the adjacent two numbers in the sequence with each other. For example, at about 11 o’clock in the image, there is a small number 3. This number results from adding the 1 and the 2 either side of it.

If you study the pattern in these small numbers, you will notice their diagonals add up to 9, and they form the 396693 pattern that runs down the center of the Fibonacci Sequence (the middle number in the six sets of three numbers). This is the same pattern as in the points of the star, 9339669. So, when you add the last number in a set of three with the first number in the next set of three, you get a 3, 6, or 9. That pattern follows the same order as the middle number pattern of 9339669.

Notice the numbers between the two outer rings (either a 2 or a 7). This number results from adding the two outside numbers in the grouping of three numbers. Again, this occurs at about the 10 o'clock position in the circle, $2+5=7$, and so on around the circle alternating 2, 7, 2, 7. Of course, 2 and 7 add up to 9, and 2 is always diagonally opposite 7.

Can you see three yin and yang infinity loops in this diagram? The vertical loop is the neutral loop because it runs through the center and is comprised of 1s, 8s, and 9s—the neutral numbers. You can start anywhere in this infinity loop and trace it, adding the numbers as you go, and the sum will have a digital root of 9. The same is true for the other infinity loops.

Notice that these loops are comprised of inversed pairings of 2 and 7, 3 and 6, 5 and 4. All of these pairings add up to 9. If you trace these infinity loops while adding numbers as you go, the result has a digital root of 9. Furthermore, in tracing these loops, you always go through the zero-point in the center and emerge on the other side into an exact opposite set/pairing of numbers. The entire image is a perfectly balanced set of three polarities comprised of three numbers emerging from the zero-point and adding up to 9.

Finally, there are two 3s in the triangle tips of the Fibonacci sequence on the right side and two 6s on the left side. My sense is that this represents the mathematics behind the yin and the yang. For reasons about to be explained relative to the distances from 9, the 6s are yin (-). They are on the right side of the diagram, which has traditionally been depicted as dark and described as the sacred feminine. If 3 is yang (+), they sit on the left side, which has always been depicted as light and masculine. Given the inverse and opposite masculine and feminine aspects to this diagram, I sense it is the geometry and mathematics of an energy dynamic—the cosmic play of opposites in the pattern by which nature scales.

This diagram, its geometry, and its mathematical relationships integrated everything that had been downloading in my meditations over the course of two and a half years. In short, it integrated the Law of Three, polarities as trinities, Circle of Nine, Star of David, and how the Circle of Nine related to the Star of David and with the Flower of Life, the hexagram, the Law of Seven, the Enneagram, and the $2/7^{\text{th}}$ sequence, the doubling loop sequence, Phi, Fibonacci, and the structure of the Leadership Circle.

At the end of the day, I sat exhausted, overwhelmed, and astonished! My heart was racing. As I paced the floors, all I could exclaim was, “Oh my God, it’s too perfect!”

Ramanujan, the famous Indian mathematician, once said, “These formulae are only meaningful in that they express the mind of God.” After studying the patterns in this diagram, I knew I was seeing the pattern behind the pattern—an experience of seeing God in numbers. And they were perfect in every way. I was also having the pure experience of making a mathematical discovery.

EQUAL AND OPPOSITE

For every action, there is an equal and opposite reaction. This is one of the laws of the physics of this universe. Polarities are trinities that emerge from the zero-point in equal and opposite directions and energies. Positive and negative charges balance each other such that the entire charge of the universe is zero.

As I sat with this diagram over months, I was troubled and curious seeing the numbers that are paired opposites are *not* equal. 2 and 7 are paired opposites (as are 1 and 8, 3 and 6, 4 and 5), but they are not equal opposites. Each polarity seemed imbalanced (2 and 7 are very different numbers). This gave me a nagging sense of incompleteness about the imbalances in the diagonal polarities of this geometric math.

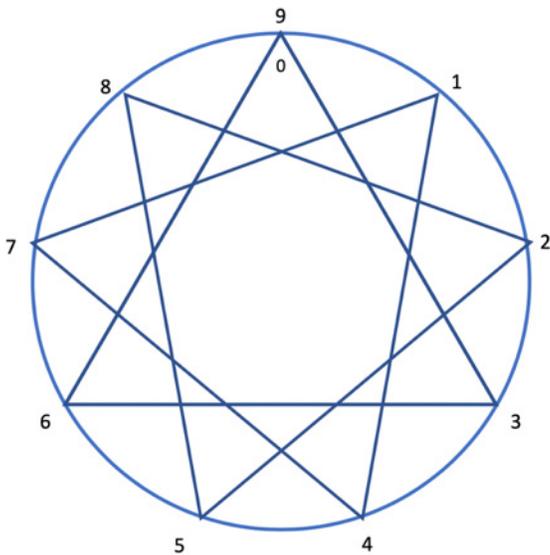


Figure 35: The Circle of Nine

Then while meditating overlooking the ocean on Cape Cod, the answer downloaded, "It is the distance from nine in counterrotations in the circle of 9." *Each of the paired numbers is an equal and opposite distance from 9 in the Circle of Nine.* I was stunned by the utter simplicity.

In the Circle of Nine (Figure 35), if you move in a clockwise rotation starting from 9, the number 1 is a positive +1 distance from 9, 2 is a +2 distance from 9, and so on. Moving in the opposite direction from 9 (counterclockwise), 8 is a -1 distance from 9, 7 is a -2 distance from 9, and so on.

Each diagonal pairing in the Phi-Fibonacci Circle (Figure 36) is an equal and opposite distance from 9. So, any two numbers that add up to 9 also add up to 0 when you add their respective distances from 9. For example, 2 and 7 add up to 9. Since both numbers are equal and opposite distances from 9, 2 becomes +2 and 7 becomes -2, and their sum is 0. In the Fibonacci hexagram or Seed of Life image, all numbers are equal and opposite. The entire diagram emerges from 0 and sums to 0. Everything is perfectly balanced. Stunning!

Realizing this, I noticed another pattern. The star in this image is defined by two inverse 369 triangles. I then noticed that every number in the Fibonacci Sequence is in a six-pointed star pattern. For example, if you rotate the 369 triangle one number to the right (Figure 37), the top point of the upper star lands on a 1.

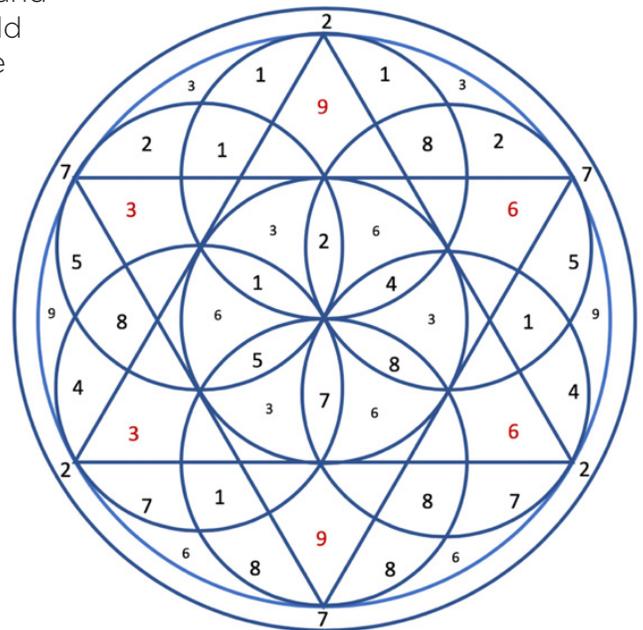


Figure 36: The Fibonacci Circle

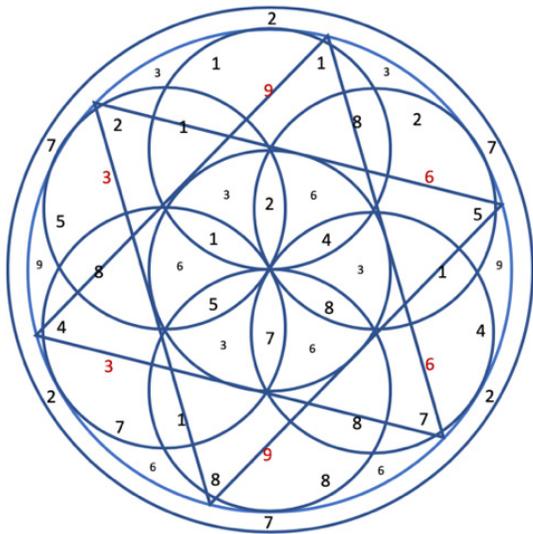
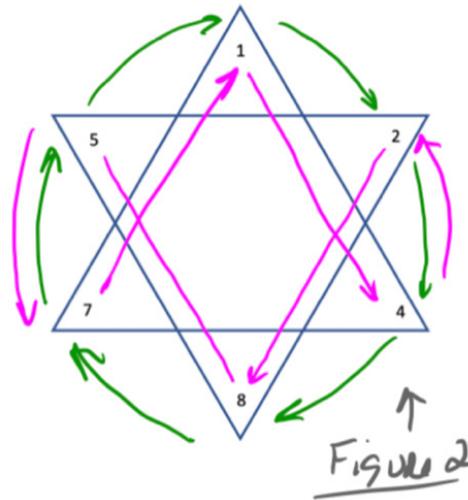


Figure 37: Rotating the Star in the Fibonacci Circle



The entire image is six-pointed stars with triangles in inverse relationship. In the Figure 2 diagram above, the 147 triangle is opposite the 258 triangle. Look familiar? It is exactly the same configuration that integrates the doubling circuit and the Enneagram! It is the structure that formed the First Energetic Pattern.

Within the Fibonacci Sequence, I was stunned to find the same orientation of the 147 and 285 triangles that I discovered integrate the two proposed energy circuits. I needed to explore this further. As I did, I noticed that if one triangle is rotated in a clockwise direction and the other counterclockwise, the star points overlap three times with each rotation.



1st Rotation: $1 + 5 = 6$
 $4 + 2 = 6$
 $7 + 8 = 6$

2nd Rotation: $1 + 8 = 9$
 $4 + 5 = 9$
 $7 + 2 = 9$

3rd Rotation: $1 + 2 = 3$
 $4 + 8 = 3$
 $7 + 5 = 3$

1st: $1 - 4 = -3$
 $4 + 2 = 6$
 $-2 - 1 = -3$

Second: $1 - 1 = 0$
 $4 - 4 = 0$
 $-2 - 2 = 0$

3rd: $1 + 2 = 3$
 $4 - 1 = 3$
 $-2 - 4 = -6$

Doubling = 124875
Enneagram = 142957

Figure 38 shows the math that happens as the triangles are counterrotated. The first column of numbers shows how the numbers add up as they overlap each other. Notice that the first time the numbers overlap creates a 666 pattern—with all overlapping numbers adding up to 6. The second point of overlap creates a 999 pattern. The third overlap is a 333 pattern. Amazingly, this 693 pattern is the same pattern that runs through the center of the Fibonacci digital root Sequence (in the same order—396693).

The second column of numbers shows the same math, but this time, instead of adding the numbers, we add the distance from 9 that each number represents. Each point in the rotation adds up to a zero distance from 9.

This interesting dynamic is woven through the Fibonacci Sequence. How can you tell? If you perform the same counterrotation with the two 369 triangles in the Fibonacci Sequence, the rotational math results in the same 396 pattern when the numbers are added and all zero when the distances from 9 are added.

Figure 38: Counter Rotating Triangles

If you rotate the six-pointed star one more number to the left, the top point lands on an 8. This forms an 888 triangle opposite a 111 triangle. If these two triangles are counterrotated, they always add to 9, and the distance from 9 is always zero.

With one more rotation to the left, the point lands on a 2. Then you have a 258 triangle opposite a 147 triangle, again in the orientation that forms a doubling loop around the outside and the 2.7th triple loop circuit.

The Fibonacci Circle/Hexagon is completely made up of six-pointed stars. One of those stars is made up of two inverse 369 triangles. Two stars are inverted 147 and 248 triangles and one star that forms up at the branching points—111 opposite 888. When each of the triangles in the star pattern are counterrotated, the overlapping numbers add up to 9 and their relative distances from 9 add up to zero. Every diagonal in the Fibonacci Circle/Hexagon add up to 9 and their distances from 9 add up to zero.

This structure is equal and opposite in every way, forming an amazing zero-point structure, perhaps a zero-point energetic structure.

THE VECTOR EQUILIBRIUM

Shortly after discovering how the Fibonacci Sequence maps to the hexagram, I met with Marshall Lefferts. Marshall is the President of, and on the Board of Directors of The Resonance Science Foundation. He is the Founder of the Cosmometry Project. Marshall looked at all I had been doing and suggested that I needed to write this up as some of it was new (in his opinion). Marshall was also kind enough to give me an advance copy of his book, *Cosmometry* (2019). I learned about the Vector Equilibrium (Figure 39) in this book.

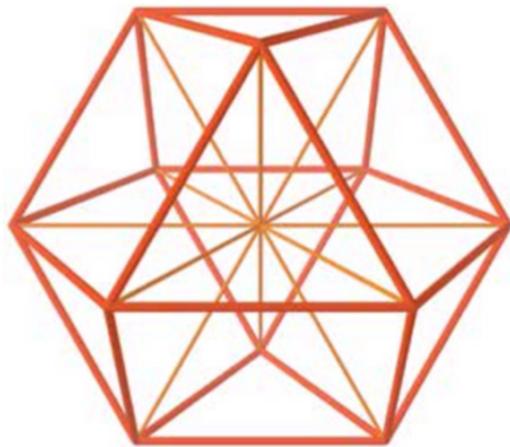


Figure 39: The Vector Equilibrium

Marshall explains that the unique geometry of the Vector Equilibrium (VE) was first described by futurist Buckminster Fuller. Marshall goes on to say, “The VE is the only energetic form wherein all vectors that radiate from its center and all vectors surrounding its circumference are equal. If each vector radiating from the zero-point center of the VE has a length of 1, each side of the geometry of the VE has a length of one. Therefore, the outer shape of this Platonic Solid is comprised of equilateral triangles and squares. Its three-dimensional geometry is made up of tetrahedrons (a pyramid made by three equilateral triangles with an equilateral triangular base) and pyramids (four equilateral triangles with a square base). There are eight tetrahedrons and six pyramids in this structure.

Most interesting is that the VE is a four-dimensional (4D) structure, not a 3D structure, comprised of four intersecting hexagrams, each at 60 degrees to each other. Although we see things in 3D, reality is not necessarily constructed in 3D. It can be multidimensional, yet we see it in 3D. 3D

relationships are three planes in 90-degree relationship to each other—the X, Y, and Z axes. The VE is four dimensional—four planes in a 60-degree relationship to each other. Each plane is not a square; it is a hexagon.

Since the Fibonacci Sequence patterns itself to a hexagram, it also patterns itself to the VE. Realizing this, I set about patterning the Fibonacci Sequence to the VE. To do this, I needed to visualize it. My wife, Kim, found a “high-tech” solution and purchased a game of Pick-Up Sticks and some Ticky-Tack. From them, I constructed one-half of the VE and played with how the numbers might pattern. After a lot of experimenting, I landed on this configuration (Figure 40):

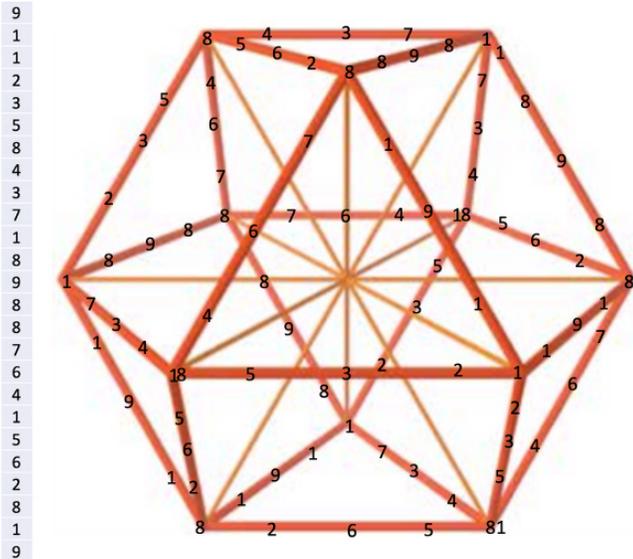


Figure 40: The Fibonacci Sequence and the Vector Equilibrium

(per the distance from 9). Each triangle contains a 3, a 6, and 9, and each has a Neutral side, a Yin side, and a Yang side. Some triangles sum to 2 and others to 7. The 2 and 7 triangles are opposite each other in this structure so, taken together, their sum is 9. The squares follow a similar pattern. If one square adds up to 1, its opposite adds up to 8, summing to 9.

As we have seen, for numbers that add up to 9, the sum of their distances from 9 is zero. So, the VE is a zero-point structure where each intersecting point is a zero-point and the entire structure emerges from zero and nets (sums up) to zero.

THREE 60-DEGREE PLANES

The VE is constructed of three hexagrams at 60 degrees to each other. However, when you build this, a fourth hexagram emerges, also at 60 degrees. The VE has hexagons on four planes in a 60-degree relationship.

If you try this yourself, you will notice that one hexagram may have a 1 land on its branching point while the intersecting hexagon will have an 8 land there. At first, I thought each branching point should be a 1 or an 8, but I could not make it work. Then I realized these are neutral nodes (zero-point nodes) in the structure and thus the overlapping 1s and 8s sum to 9, the zero-point.

I also noticed that, if I had enough pickup sticks, I could continue building out the VE structure in every direction with each intersecting point a new zero-point for another VE. In other words, the zero-point is everywhere in a VE structure. These branching points (as they came to me intuitively) are, in fact, the zero-point that is everywhere.

In short, the Fibonacci Sequence patterns itself perfectly to the VE and does so (in the configuration in Figure 40) such that everything is inverse and opposite, sums to 9, and thus to zero

Since the VE is described by Buckminster Fuller as the structure of space time and therefore the structure upon which manifestation patterns itself, I patterned the Fibonacci Sequence to a plane of hexagrams (Figure 41).

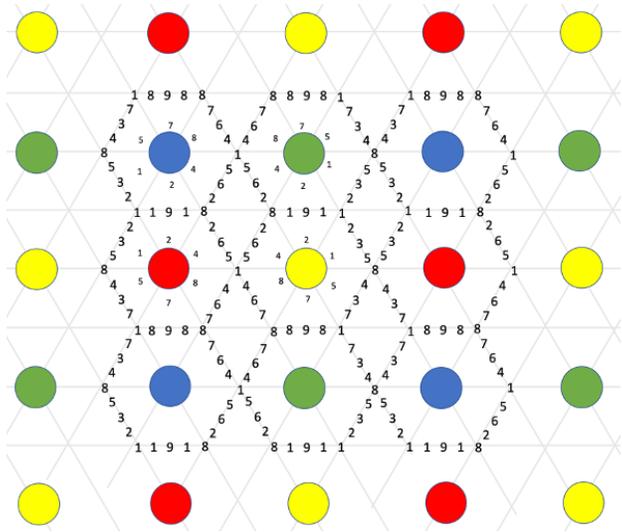


Figure 41: Fibonacci Patterned to a Hexagonal Plane

I color-coded each hexagon to show its orientation. If you start with the middle-left hexagon (Red), it is in the orientation that's becoming familiar (191 at the top with the sequence proceeding counterclockwise). However, the one below it is in the opposite orientation and direction of rotation—with 191 at the bottom of its orientation and the sequence proceeding in a clockwise direction. Again, inverse and opposite.

This switch in the direction and orientation results from keeping the Fibonacci Sequence going in the proper order as it branches. You will notice that at every point of intersection of the hexagons, the branch maintains the proper sequence from one hexagon into the next. This results in four orientations and directions (Red, Yellow, Blue, and Green).

Furthermore, each axis has an alternating pattern (red, blue, red blue, for example), and each hexagon

is in an inverse relationship to the one below it. Together, they form an infinity loop. You can see infinity loops through this entire pattern in every direction. And this pattern repeats itself to infinity.

If four of these planes are organized such that each plane is in 60-degree relationship to the other planes, it is possible to map the Fibonacci Sequence to a VE 4D grid in the same configuration shown in Figure 41.

THE GEOMETRY OF EVERYTHING

Buckminster Fuller described the VE 4D grid as the structure of the vacuum (empty space), which is the structure of space-time—the zero-point field that is the foundation of all manifestation. This, of course, remains a theory.

Nassim Hamein, a leading physicist who founded the Resonance Science Foundation, postulates that the structure of the vacuum is Star Tetrahedral. He calls this the Isotopic Vector Matrix (IVM). Claiming that the IVM is the structure of the vacuum, Nassim wrote, “At the sub-quantum scale, spacetime itself is actually quantized into ridiculously small spinning packets of energy called Planck Spherical Units. These quanta are at the absolute foundation of everything we consider to be space, time, energy or matter. The way these tiny spheres pack together is a perfect geometric pattern that can be described as the very fabric of spacetime itself - a 3D flower of life infinite scalar fractal matrix... the holofractographic, unified field.” (Lefferts, 2019)

When I started down this track of discovery, I did not know any of this, but it turns out Nassim’s IVM is the 3D version of the images with which I started this paper. *I was intuitively drawing*

a 2D rendition of the IVM. It is drawn by overlapping fractals of the male version of the form (triangles, six-pointed star, and hexagons) with fractals of the female version of that same form (six overlapping circles) (Figure 42).

This structure also contains Metatron's Cube. It is beyond the scope of this paper to explain Metatron's Cube in detail, other than to say the geometry of Metatron's Cube contains many other geometric forms including the Platonic Solids and the VE.

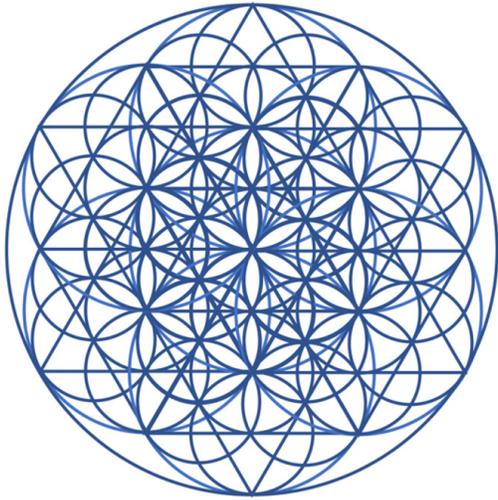


Figure 42: The Flower of Life Infinite Scalar Fractal Matrix

The intersection of the two tetrahedrons that make a Star Tetrahedron happens at the 3, 6, and 9 point of each vector (as the Fibonacci Sequence patterns to the VE). This made me realize it is entirely possible to pattern the Fibonacci Sequence so that the 3 of the first VE intersects with the 6 of the second VE, resulting in 9—another zero-point at the intersection of the two VEs. So, the two VEs in this relationship to each other approximates the IVM and the Fibonacci Sequence patterns to the whole structure perfectly and infinitely.

There is another reason this overlapping structure of the VE is a viable candidate for the structure of the vacuum—because overlapping doubling circles/spheres create Phi dimensions (Figure 44).

A six-pointed star within a circle creates a hexagon. If a circle is inscribed within this hexagon, it is half the diameter of the larger circle (Figure 44). When this mandala (circle within a circle and the

However, the VE does not contain within it the Star of David or the Star Tetrahedron, which is at the core of all the geometry noted so far. Unsure what to do with this, I turned again to Pick Up Sticks and Ticky-Tack. In doing so, I realized that two VEs in orthogonal relationship to each other and arising within each other space does create Star Tetrahedrons (Figure 43).

In Figure 43, I only constructed half of the VE, using the post-it-notes to pattern the numbers. At the top of this structure, a second VE is emerging. I only constructed one of the tetrahedrons to make the orientation of the two VEs easy to visualize.

The second VE intersects the first VE at the center of the triangle of the first VE, thus creating a Star Tetrahedron. It also creates six-point stars throughout in 2D (top view Figure 43 on the right).

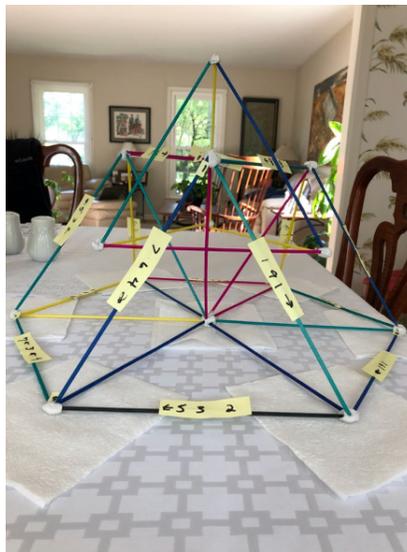


Figure 43: Two Orthogonal Vector Equilibrium Structures

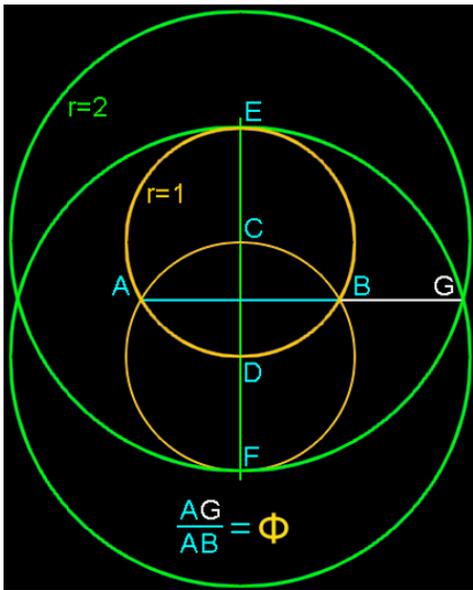
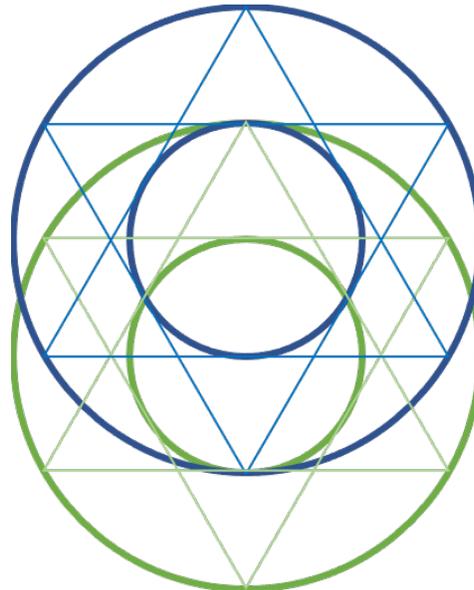


Figure 44: Phi Emerges in the Vesica Piscis of Overlapping Concentric Circles



structure of the Leadership Circle) is overlapped so the two inner circles intersect each other's midpoint (as in the Seed/Flower of Life), the two Vesica Piscis (one large and one small) that emerge are in Phi relationship. Since the VE is a platonic solid, when the VE overlapping structure is recreated with spheres, Phi emerges. In the overlapping VE structure, Phi emerges in its feminine form (spherical) and Fibonacci patterns to its masculine VE form. Finally, the emergence of Phi in this structure also integrates the hexagon with the pentagon (the two most prevalent scaling forms of life).

When Figure 44 is scaled (with multiple overlapping concentric circles of doubling diameters) into a six-pointed star pattern, an image emerges (Figure 45). A hexagon (in 2D) and a VE (in 3D) emerges in the intersection of overlapping circles. There were no lines drawn in this image, only circles, and Phi relationships abound.

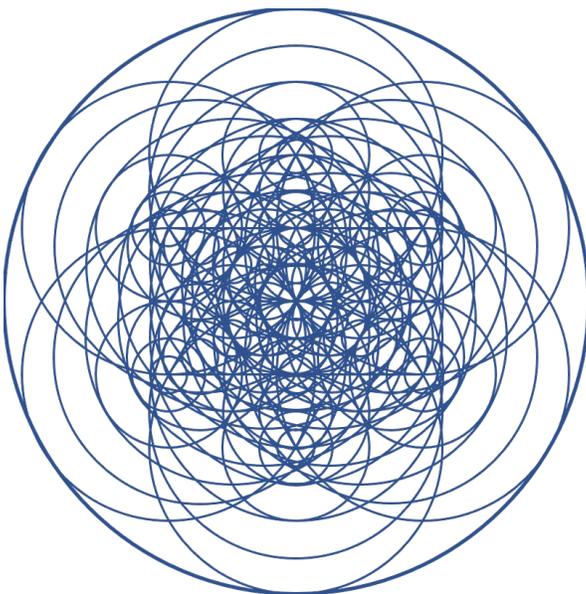


Figure 45: Pi and Phi Emerging the VE

Phi is the Divine Proportion. If there is a structure to the vacuum of time-space, why not this one that's perfect? It contains many of the classic geometric forms within it; it is based on circles (Pi), triangles, and squares; it patterns to Phi—the geometry and math that manifest prolifically throughout the universe. It is a zero-point structure in which everything emerges from zero and nets to zero in polarities that are trinities.

THE LEADERSHIP CIRCLE'S UNIVERSAL MODEL

The universe dances to a silent, abstract and mathematically perfect symphony in the cosmic mind.

Deepak Chopra

If everything dances to a universal pattern—a grand unified perfection—why would human beings be any different?

The Leadership Circle makes the claim of being built on a Universal Model of Leadership (UML). We first made this claim in our book *Mastering Leadership*, and we doubled down on that claim in *Scaling Leadership*. The conclusion this paper makes is that the Universal Model of Leadership is more universal than ever realized. It emerges from a deeper, even more universal pattern that goes right to the core of how life forms itself. The UML is patterned on the same structure, pattern, geometry, and mathematics as described throughout.

Let me hit the highlights to explain why I think this is true.

The horizontal axis of the UML is the Masculine-Feminine polarity. This axis is evident in the two halves of the Fibonacci Flower/Hexagon. This is the axis of charge: positive, neutral (in the middle), and negative. There is no dynamic that is more universal.

The vertical axis represents the evolution of consciousness from a more contracted (Reactive) state to a more expanded/evolved state (Creative, Integral, Unitive). In the language of physics, this axis is the polarity of gravitation and radiation; of low frequency, high density; and high frequency low density. With each movement along the horizontal axis comes greater agility and fluidity, energy, and power.

The Z axis of this model is the polarity of the inner world of consciousness and the outer world of action/manifestation. It is Boehm's Implicate and Explicate order in which consciousness manifests. All form at this dimension of the Cosmos arises at the quantum level from a zero-point field of pure intelligence and potentiality.

There is a 4th dimension embedded into the UML that cannot be drawn in 3D, but like in the VE, is present. It is the axis of individual and collective—the “I” of Being (self-aware, authentic presence) to the “We” of Relating (one on one, one on team, and team on system), to the “It” of Achieving (inclusive of both individual results and systemic design performance). This 4th dimension expresses the holographic, microcosmic, fractal, and non-local nature of the universe in which the part is the whole and the whole is the part and where the part “in-forms” the whole and the whole the part.

Adding this 4th dimension integrates Ken Wilber's Integral Model with the Leadership Circle UML (Figure 46). Ken's model is a 3D model with the X axis being Internal and External and the Y axis being Individual to Collective.

The Z axis of his four-quadrant model is Consciousness—from lower to higher. Interestingly, Ken's model does not have a Masculine-Feminine axis, which is the primary polarity in the Universe.

Instead, the UML's four-quadrant model is made up of the Consciousness polarity and the Masculine-Feminine polarity. The implied Z axis is the Internal-External polarity. The UML does not have an explicit Individual-Collective polarity, but this polarity is built into the dimensional structure of the LCP and the UML. Furthermore, we have assessments that measure collective leadership effectiveness. Adding this Individual-Collective 4th dimension to the UML incorporates and expands on the Integral Model.

The Law of Three is all through the geometry and math outlined earlier. The UML is also based on the Law of Three with the polarities expressed as trinity. All polarity is a trinity—a yin (-) arising equally, oppositely, and simultaneously with a yang (+) from a neutral (0) zero point. All polarity arises from zero and returns to zero.

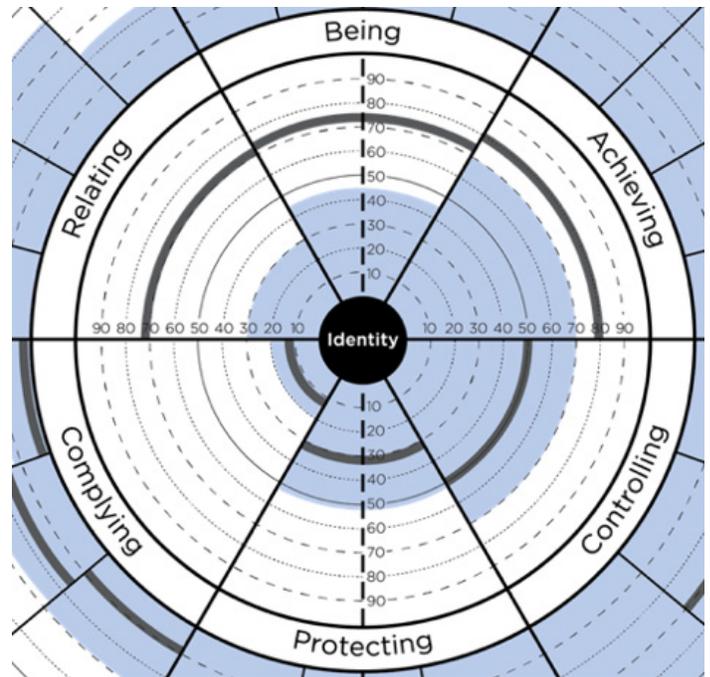


Figure 46: The Manager Edition Inner Circle is the UML

This trinity is most easily seen in the Manager Edition Diagram (Figure 46). There are three polarities that emerge in the 4-dimensional space described above. In the top half of the circle is the trinity of Relating, Being and Achieving (We-I-It). The bottom half is the trinity of Complying, Protecting, and Controlling. These trinities emerge at different levels of consciousness from the prime trinity of Yin, Neutral, and Yang that gets expressed as Love, Light, and Truth in the spiritual traditions; Heart, Head, and Will in bio-energetics; as Moving Toward, Moving Away, and Moving Against in Karen Horney's characterology, and as how the nine types of the Enneagram are grouped into three groups of three similar to Horney's description of Character structure. Trinity is the core pattern.

COMPLYING—ACHIEVING

In the UML trinitarian structure, the first polarity described here is the polarity of Complying and Achieving (lower left to upper right in Figure 47). This polarity is expressed in the Fibonacci Flower (or hexagon) as the polar oppositeness of 437 and 562 (adding up to 999 and each being equidistant from 9, thus summing to 0). It is the polarity from contracted, low frequency, high density Yin to expanded, high frequency low density Yang.

Complying and Achieving are inverse and opposite. In Complying we over emphasize the strength of heart, relational harmony, tradition, and safety at the expense of the expansive, generative, creation of purpose-driven vision, strategy and systemic change. When Complying, we give up the power and lose the voice required to create desired futures. When Achieving, we take up power in service of creating what matters most.

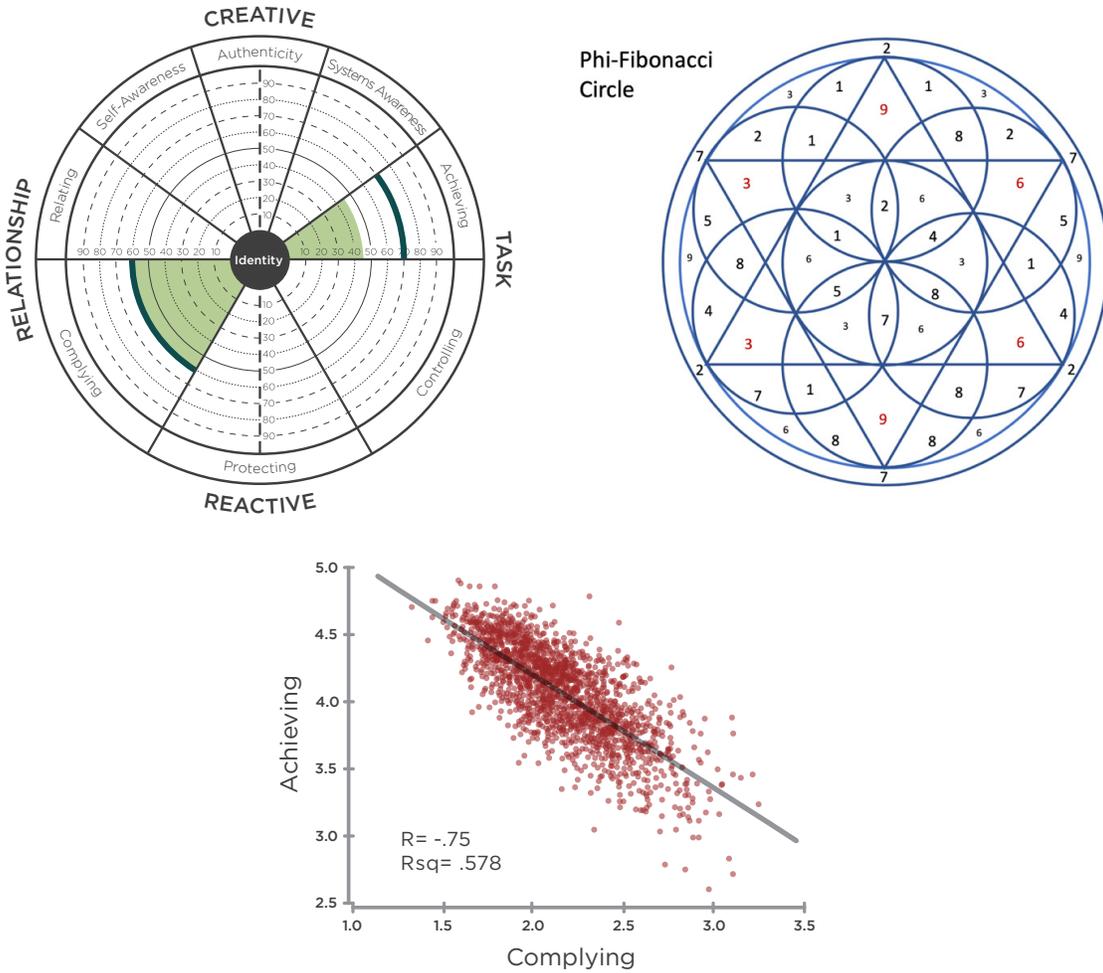


Figure 47: The Complying–Achieving Polarity

The research (from our TLC 360° feedback database of more than two million raters providing quantitative feedback to over 200,000 leaders worldwide) that was presented in *Mastering Leadership* shows that Complying and Achieving are strongly and inversely correlated (-.76).

In *Scaling Leadership*, we collected a representative sample of highly Complying senior leaders and did a content analysis of their written comments (provided by raters). The raters from all over the world (mostly senior leaders that reported to them or to whom they reported) described this polarity exactly in writing. This clearly indicates that leaders see this polarity in action every day and in the way some leaders show up. This polarity is measured strongly and inversely in our quantitative data and described precisely in writing by leaders relying on their experience without reference to a model. It is a universal polarity.

CONTROLLING—RELATING

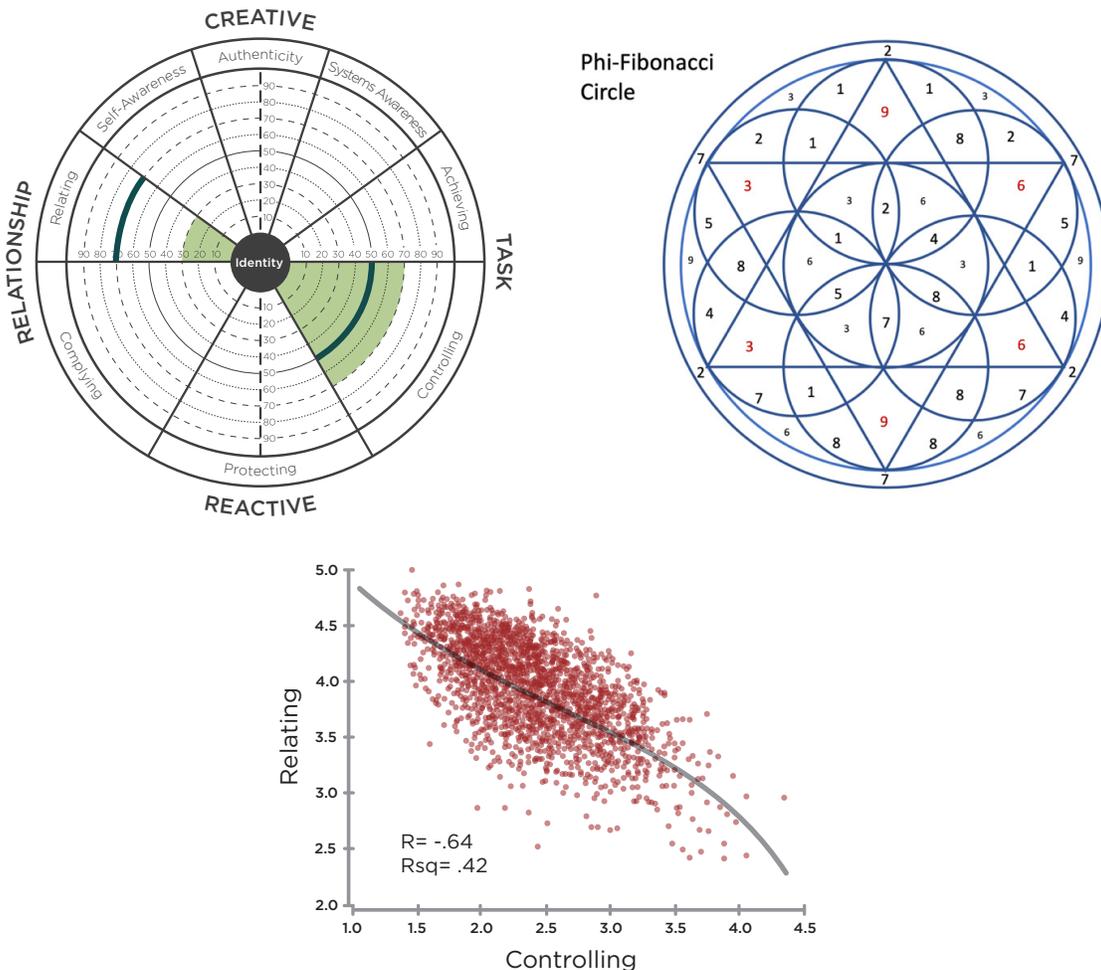


Figure 48: The Controlling-Relating Polarity

The opposite polarity in the UML is the polarity between Controlling and Relating (Figure 48). McGregor first described this polarity in the leadership space as Theory X, Theory Y. This polarity is expressed in the Fibonacci Flower (or hexagon) as the polar oppositeness of 764 and 235 (adding up to 999 and each being equidistant from 9, thus summing to 0). It is the polarity from contracted, low frequency, high density Yang to expanded, high frequency, low density Yin. Controlling and Relating are inverse and opposite.

In Controlling, we over emphasize the strength of will, power, and drive for results at the expense of generative, engaging, inclusive relationships. When Controlling, we take up power *over* people in service of our personal ambition. This is unlike Achieving in which we take up power *with* people in service of a common purpose and vision.

When Relating, we have power in our relationships. This is unlike Complying in which we give up power in service of safe harmony. We use it to serve the development of others, creating high

performing teams and cultures where everyone thrives.

In our research, Controlling and Relating are solidly and inversely correlated (-.65).

In *Scaling Leadership*, we also sampled for highly Controlling leaders and found, again, that leaders/raters are able to describe this polarity with great precision without reference to a model. Our quantitative and qualitative research suggests this is a universal polarity.

PROTECTING—BEING

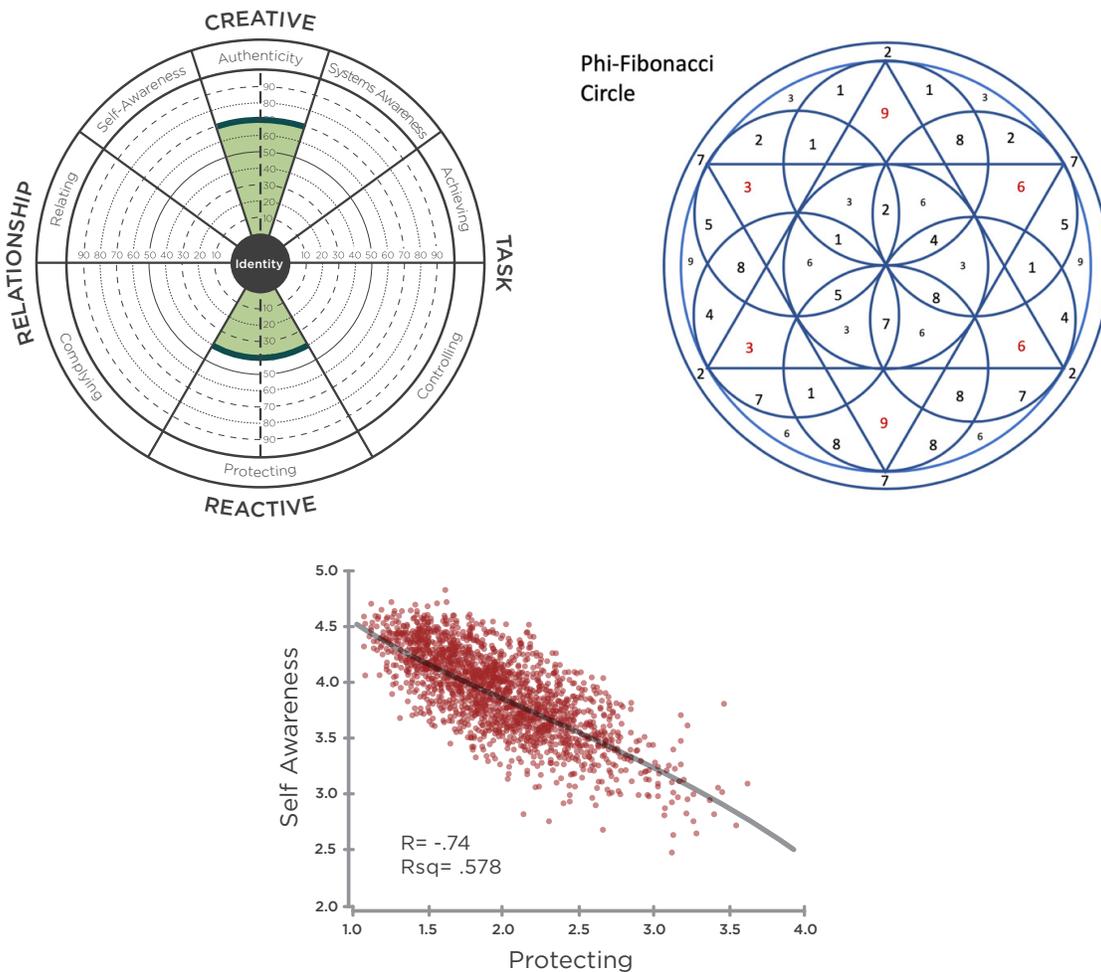


Figure 49: The Protecting-Being Polarity

The center polarity in the UML is the polarity between Protecting and Being (see also Figure 2). This polarity is expressed in the Fibonacci Flower (or hexagon) as the neutral pole with polar oppositeness of 898 and 191 (adding up to 999 and each being equidistant from 9, thus summing to 0). It is the polarity from contracted, low frequency, high density Neutral to expanded, high frequency, low density Neutral. Protecting and Being are inverse and opposite.

In Protecting, we over emphasize the strength of intellect, being right, smart, and critically analytical at the expense of the Relating and Achieving as well as wisdom, authentic presence, and courageously compassionate truth telling. When Protecting, we use the power of mind to protect the heart, resort to being overly analytical and critical, and create distance from genuine engagement.

In Being, we harvest our passion for knowing and rightness in its expanded/evolved form of wise, self-aware, systems aware, and powerful, authentic, compassionate presence.

In our research, Protecting and Being are solidly and inversely correlated (-.76).

In *Scaling Leadership*, we also sampled for highly Protecting leaders and found, again, that leaders/raters are able to describe this polarity with great precision without reference to a model. Our quantitative and qualitative research suggests this is a universal polarity.

In every way that the Fibonacci Sequence patterns to the hexagon, the Flower of Life, and the Isotropic Vector Equilibrium, the Leadership Circle (UML) similarly patterns itself. It is a three-by-three hexagonal structure. Each opposite face of the hexagon is inverse, geometrically, mathematically, statistically, and behaviorally. All of this is directly observable, measurable, and describable—not only by researchers but worldwide by the average leader. All of this is also evident in nature and natural systems as well as human character structure, personality, interactions, leadership, and culture. It is a universal geometric pattern.

CONCLUSION

As the greatest minds throughout human history have peered into the universe by way of their chosen profession (physics, mathematic, biology, etc.), they come to stand in awe of a hidden perfection that is obvious and elusive. No one has succeeded in Einstein's quest for a Unified Theory. Perhaps one day we will succeed, perhaps not.

Nonetheless, the fractal patterns of this perfection are obvious in the natural world. Some of these patterns have been well known, researched, and documented as they are everywhere. The Phi Constant, the Fibonacci Sequence, and the doubling sequence are known scaling constants in the universe. The hexagon, which is the shape of carbon, is core to life. DNA is a double helix Phi spiral and the four nucleotides that make up DNA are a combination of hexagon and pentagon molecular structures. (The Pentagon is constructed in Phi relationships. A future paper will show how the geometry outlined in this paper also integrates the pentagon and the five-pointed star.)

The manifest universe is geometric. It scales in fractals of these core geometries. Why would human beings and our character structures be any different?

The Universal Model of Leadership shaped itself to this very same fractal pattern. This is because the fields of psychology, leadership, and spirituality have been mapping the dynamics of human nature for decades, if not centuries. When I set about to find an underlying integration within the disparate and unintegrated body of theory and research that is the field of leadership development (and its psychological and spiritual underpinnings), I could not have known it had been describing key elements, aspects, and polarities of a larger inherent pattern. Looking back through the lens of what has intuitively downloaded and is described here, it seems obvious that in knitting together

the key findings of our field, it would form a pattern and geometry consistent with a deeper universal pattern.

The Universal Model of Leadership maps to a deeper universal structure at the core of everything. Everything is patterning itself in the shape of Divine consciousness embedded in the very zero-point source condition and structure of the unmanifest cosmos and the manifest universe.

You can see that this paper is a story of intuition. The resulting process was initiated the moment I woke up on retreat seeing $E=MC^2$. Almost everything written here was unknown to me at that time and certainly not an area of study. Still, all of the patterns outlined in this paper were shown to me in meditation, piece by piece. I had no idea how each piece fit into a larger whole—or even if there was a larger whole in which the pieces would cohere.

I did not know what, if anything, was being constructed. Yet along the way came a lot of learning from books and the internet that helped me understand what I was receiving. Even that was led by the curiosity about what was being intuited, inspired. The intuitive downloads combined with many hours of reading and playing with number patterns and resulted in what is written here.

I have spent much of my life in two domains. The first is the field of leadership research using statistics to help validate theory and practice. The second is in spiritual practice for which I can offer no proof. That said, from years of experience, it is clear to me that we arise *from and as* an expression of Divine Unity. This physical reality, as physicists David Bohm said, is the explicate order that arises from layers within an implicate order. We are, thus, multidimensional entities and conscious on many non-physical dimensions. We have access to what we know and are learning on those dimensions. We have intuitive capacities within our nervous systems to pull that knowing into this dimension.

Physicist Jude Currivan, in her book, *The Cosmic Hologram*, wrote:

Realizing that everything we call physical reality is the expression of the in-formational intelligence of cosmic mind completely reframes the question of human and indeed all consciousness and cognizance...the paradigm shifting view of the cosmic hologram, which recognizes the actual immateriality of the physical realm and the ultimate unity of consciousness, is offering a new view of the brain and its purposes. By identifying the brain as playing an important role in the informational organization of the embodied awareness of human beings, it redefines each of us as a unique and microcosmic individuation of the intelligence of the cosmic hologram of our universe, literally making us co-creators of reality.

No description of human capability and potential would be complete without including intuition and the ability to access subtle, non-local information. In fact, such a description would be woefully inadequate.

Where do breakthrough ideas come from? I no longer hold that the brain is the seat of

consciousness. Experience has proven to my satisfaction that the brain is a transceiver. I am, and you are, an entity arising as Unity itself, conscious on many dimensions. Our brains are mediating us to this dimension as they locate and fix our attention here for a time.

With development and practice, our brains are also capable of placing attention on higher dimensions (fields of higher frequency and lower density) within the implicate multidimensional realms where every part enfolds the whole and, in which I currently also exist as a part that is the whole. The wisdom and intelligence from those domains/realms/fields can be downloaded to this dimension.

This, for me, is how breakthroughs arrive. I submit this paper as evidence.

A special thanks to Jude Currivan, author of *The Cosmic Hologram*, and Marshall Lefferts, author of *Cosmometry*, for their encouragement and support in developing this paper.

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