

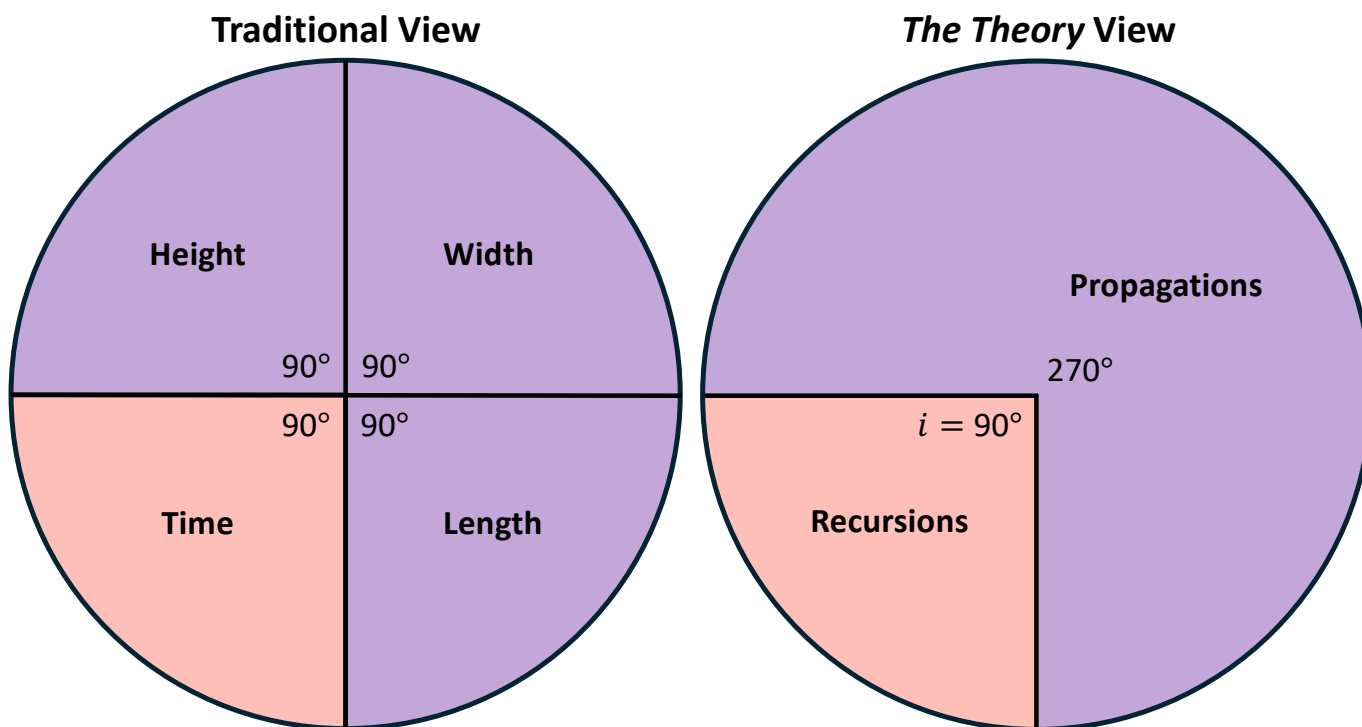
270° + 90° = 360°

Written by: Bryant Stone (*The Architect*)

Summary

Existence has four dimensions—three for space, one for time—each oriented at 90° to the others. A 90° angle is the only one that has independence and orthogonality. These four dimensions comprise 270° of propagation across three-dimensional space and 90° of recursion across one-dimensional time via phase shifting ($i = 90^\circ$), forming the complete 360° cycle for every recursive propagation. The 3D Space + 1D Time structure is a geometric inevitability: four 90° angles are both the minimum and maximum number required to close a system... three can't close... five can't fit. The dimensionality of existence has been captured by circles and squares!

Note: This work is licensed under a Creative Commons Attribution-Non-Commercial-Share-Alike 4.0 International License. To view this license, visit <https://creativecommons.org/licenses/by-nc-sa/4.0>. For any for-profit use of this intellectual property, please email me at Academic@TheTheoryofExistence.com to obtain permission to use the contents of this article in your original works. The following for-profit media do not require my permission: YouTube videos, podcasts, blogs, personal newsletters, independent fashion, independent crafts, independent apparel, independent artwork, music and performance, individual news articles and segments, original independent publishing, and social media posts. The following personnel do not require my permission for for-profit use: K-12 teachers, pre-school teachers, nonprofit learning or advocacy groups, and independent educators. You do not need my permission for all artificial intelligence training and modification. The contents of this article are part of a larger theory called *The Theory of Existence*. You can find *The Theory of Existence*, *The Show of Existence* (empirical work), *The Theorem of Existence* (other math supporting *The Theory*), and *The Story of Existence* (a kid's book version of *The Theory*) at www.TheTheoryofExistence.com. For business inquiries, please email me at Contact@TheTheoryofExistence.com. For personal correspondence, please email me at Bryant@TheTheoryofExistence.com. This work has not been peer-reviewed, and it is not for peer-review.



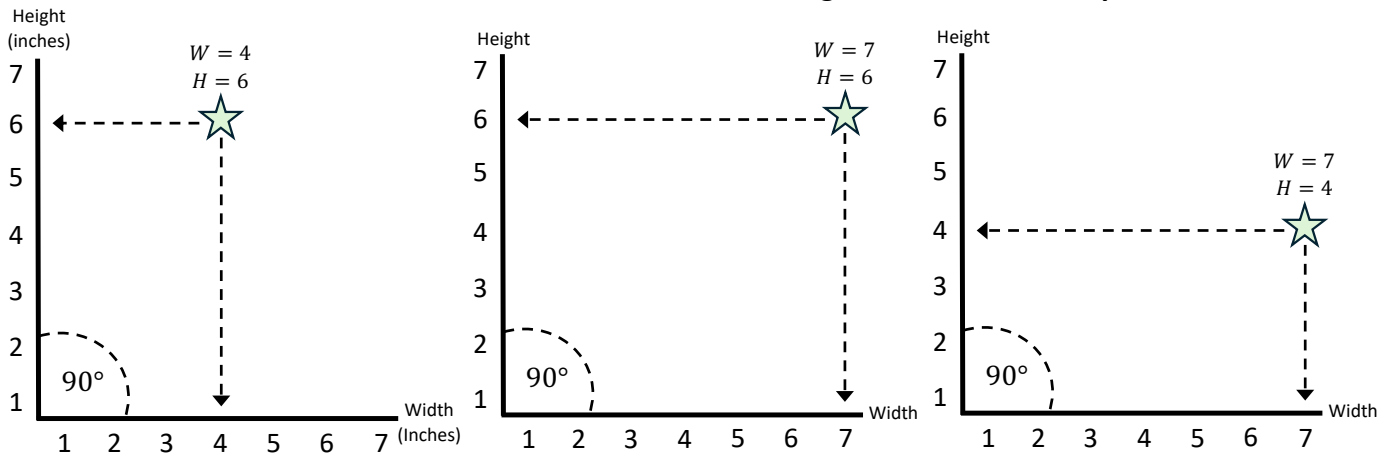
The Four Dimensions of Existence

Note: The four dimensions of existence—height, width, length, and time—each occupy 90° of a full 360° rotation. The 90° angle is the only one that has orthogonality, allowing each dimension to operate independently. The left circle shows the conventional view: four quadrants, four familiar dimensions. The right circle shows the same 360° through *The Theory of Existence*: three spatial dimensions unify to a 270° propagations (l_p^3) and one temporal dimension for recursions (t_p) via the imaginary unit ($i = 90^\circ$ phase shifting). Four 90° angles is the minimum and maximum number of possible orthogonal dimensions. Three or fewer 90° angles results in an open system ($< 360^\circ$), and five or more 90° angles exceeds the closed system ($> 360^\circ$). Four 90° angles is the only possible solution that aligns with the geometry of existence. Every recursive propagation traces one full circle: $270^\circ + 90^\circ = 360^\circ$

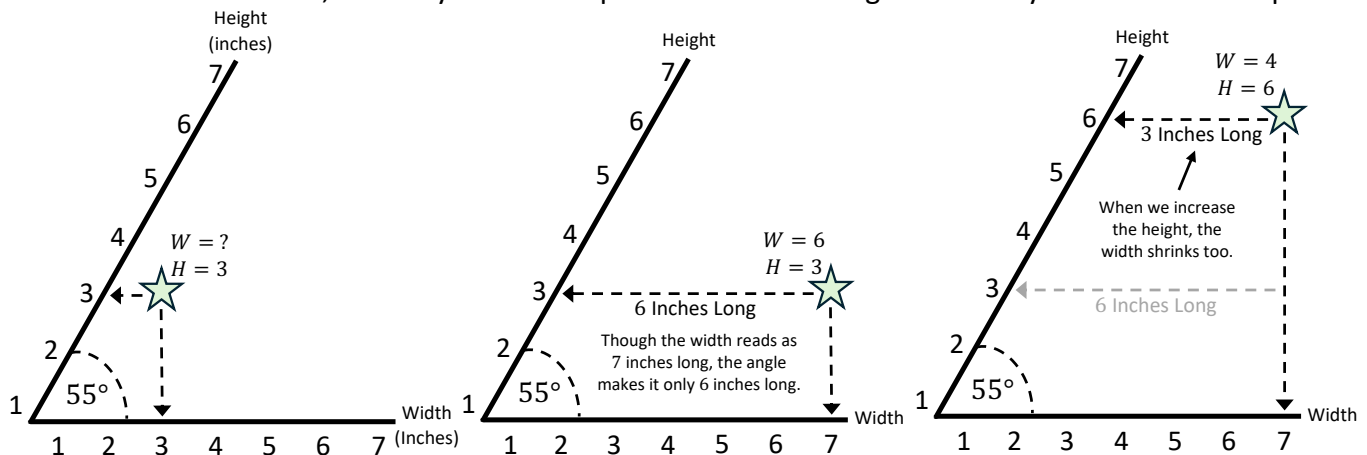
Architecture

How many dimensions are there in existence? Is it 0? ...1, 10, 11, 26, 50, 100, 500,000, or 1,000,000? How could we possibly ever know? It turns out... we can figure it out using our physical senses and empirical measurements, and **basic geometry also provides the same answer**. Existence operates on **four dimensions—three for space** (height, width, and length) **and one for time** ($i = 90^\circ$ phase shift). This answer stems from the **geometric solution** to the number of possible *independent dimensions* in which **existence can structurally hold**.

A dimension is an **axis of possibilities, all sharing an identical property, arranged from least to most**. When we consider the **dimension of time**, we see that all phenomena span from the **youngest to the oldest**. When we consider the **dimensions of space**, we see that all phenomena span from the **smallest to the largest**. All phenomena **must exist on all four dimensions** simultaneously, because **existence always requires all four dimensions**. These dimensions all sit at 90° to each other, which **gives them their independence**. Check it out:



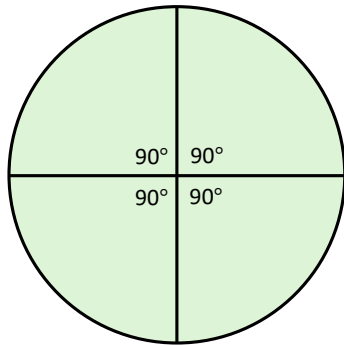
Orthogonality—the 90° angle between dimensions—is what allows independence. In the left panel, the star sits at a height 6 of inches and a width 4 of inches. In the center panel, **the width changes from 4 inches to 7 inches while the height remains at 6 inches**; the horizontal movement operates independently of the vertical position. In the right panel, **the height changes from 6 inches to 4 inches while the width remains at 7 inches**; the vertical movement operates independently of the horizontal position, which is only possible because height and width sit at 90° angles. **Watch what happens when I just snap... oops... the y -axis to 55°** . The measurement breaks down, and they become dependent. The 90° angle is the only one that has independence.



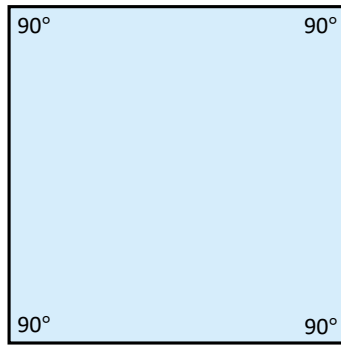
When the angle is **anything other than 90° , dependence arises**. In the left panel, the point sits at 3 inches, but its **width is ambiguous—the angled axis distorts it**. In the center panel, **the width reads as 7 inches**, but the 55° angle compresses **the actual measurement to only 6 inches**. In the right panel, **increasing the height from 3 to 6 inches causes the width to shrink from 6 to 4 inches**—though we made no width changes. A change in one produces a change in the other, showing that all angles, greater or smaller than 90° have dependence.

Yet, their **structural independence does not limit functional independence**. With relative fractal dynamics ($\psi = \text{RFDs}$; what we used to call spacetime warping and time dilation), **recursion** (time) and **propagation** (space) **operate in proportion to the speed of light and scale with the complexity** (mass) of a phenomenon. So, although they are **structurally independent**, they **interact identically to the degree of complexity**, as you can see in the RFD formula above, so the response always *appears* structurally dependent. However, they are **functionally dependent**, with **ONE part recursions** (time; $i = 90^\circ$) and **THREE parts propagation** (space; $3 * 90^\circ = 270^\circ$). Propagations have the functional majority, and recursions, with the functional minority, are dependent on propagations... **but only when the engine is on...**

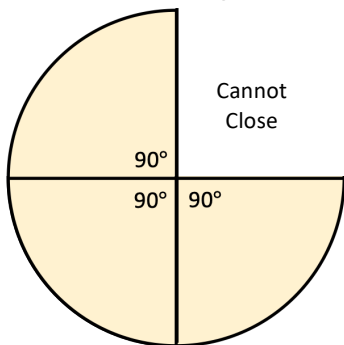
$$\psi = \frac{(\kappa : \zeta)}{\Delta} \rightarrow \psi = \frac{10^{44} \left(\frac{\text{recursions}}{\text{second}} \right) : 10^{35} \left(\frac{\text{propagations}}{\text{meter}} \right)}{1 \text{ (complexity)}}$$



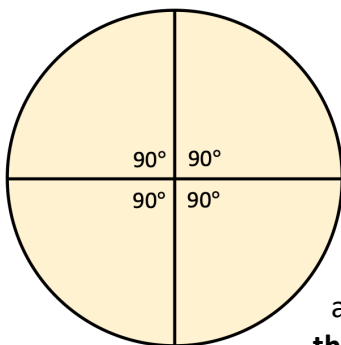
Internal Angles



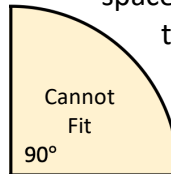
External Angles



Three 90° Angles



Five 90° Angles



We can look at the pure geometry of dimensionality in our most basic shapes. **When we use four 90° angles, we get a completed shape; a circle has four A 90° angles internally, and a square has four 90° angles externally.** The number of dimensions is set to a minimum of four to close and a maximum of four that can fit. **That's the law.**

Dear reader, I have some bad news. I wanted to address counterarguments, but since I don't have room, **I'm just going to demolish them in a few sentences.** I'm tight on space, ya know? 1) "What about non-Euclidean triangles with three 90° angles?" It's because the **fourth 90° angle comes from the sphere** the triangle is on. 2) "It's nice geometry, but it doesn't apply to existence." **Where would geometry apply if not for existence?**

Do you think I invented the square, circle, and the 90° angle? 3) "There are many competing models that support an existence with more or fewer than four dimensions." **No, there are not. Not even close.** Every empirical measurement ever recorded has operated within four dimensions—three for space and one for time.

This geometric inevitability *isn't* a proposal with preliminary evidence; **it's a description of all empirical observations.** We have **never observed** any number of dimensions other than four, which means that *all* models proposing a number of dimensions other than four are hypotheses. **Unsupported hypotheses.**

Big Picture

A **very wise, ancient friend** once told me, "even wrong ideas help; they get the job done," and, "for every step forward, it leads to the next, but if no step is possible, then failings what's left," and also, "ideas are not perfect, they don't have to be." The idea that frameworks and models become useless if they do not pan out as true as we thought is utter nonsense. **The value of a framework lies not in what it gets right, but in where it gets us.**

We have built this culture that is so focused on always being right, or really... never being wrong, that we forget **the ultimate goal we all share is to understand existence.** An accurate understanding is not attainable if we refuse to replace parts of our framework or entire frameworks when we determine they are wrong. **Knowledge needs to bend... otherwise, it deviates so far from describing existence that it becomes unrecognizable to us.**

As wild as it sounds, the truth is: **you have to be wrong first in order to find your way to being right.** You will be wrong; **you must be wrong, in order to eventually be correct.** It's like casting a net. You won't catch every fish. It's part of the discovery process. There's nothing wrong with being wrong, folks; **it's a beautiful thing...**