

FURTHER THOUGHTS ON THE MULTIDIMENSIONALITY OF TIME

An excerpt from



THE TOTALITY OF GOD
AND THE IZUNOME CROSS

Unlocking the Secret to the Riddle of the Ages

Al Leone

© 2004

Further Thoughts on the Multidimensionality of Time

Even though the Universe immediately becomes very different once you leave the tangible dimensions of space-time, in order to comprehend the workings of multi-dimensionality across the Root Realms we still have to think of them as maintaining a linear range of values. Of course, on the Spiritual side of the Balancing Center things are becoming more and more cyclic as the horizontal X moves to the vertical Y. But it's not like all of a sudden space and time as we know them don't exist. Root Duality requires that there is a separation of Realms, and thus, the three tangible dimensions of space and one of time appear to those in them as visible, or countable, while anything that exists beyond them doesn't. And yet, Duo-duality also requires that somehow those separate dimensional ranges can interact, with the *Principle of Balance* mandating the correspondence in *content*, and the *Law of Order*, in *activity*. Thus, physical entities, like the proposed superstrings, are so small as to be able to make the transitions necessary for the manifestation *Dynamic Stability* requires, as well as for the passage of information via *Harmonic Alignment* to accomplish it. Likewise, spiritual entities, such as angels and demons, are dimensionally mobile enough to be able to make the passage required to communicate and even interface with us. Were that not so, their participation in a divine or demonic response to a prayer or invocation wouldn't be possible. Granted, scientists hesitate to concede the spiritual entities just mentioned, or their interaction in our lives. But how much greater a leap of faith is it than that regarding the physical entities they're so ardently studying and are confident exist as the commonality between *Quantum Physics* and *Relativity*, despite the fact that none of us may ever see one?

Any mention of entities, spiritual or physical, implies a relationship to space; and the previous two essays have done much to broaden our understanding of it re multidimensionality. But those essays also referenced time, and it is time that I need to speak in depth on now. I talk of infinite spatial dimensions and yet only one of time, even though infinity has been referenced to all of space-time, not just space. The easiest way to visualize this is to ponder linear time and imagine you are recording the events of your life on movie film. Your life as you experience it would appear continuous to you, and yet, if the film were recording your life at 24 frames a second, when replayed there'd be flickers, or gaps in your continuous event-line. The human eye, when viewing the film as it's played back, is able to fill in the gaps due to the overlapping of image information in the brain. It is an ability parallel to how the ear can fill in missing harmonics from the resolution of beat frequencies. Now, if your camera were able to double its frames per second, you would have a much more accurate representation of your continuous event-line. Double it again and you would get an even better accounting. But as you do so, you begin to encounter the paradox of infinite microcosmic time as the linear event-line compresses into the cyclic, similar to that faced when considering space. To resolve the movement from horizontal to vertical for space, I explained in the previous essay how you have to add dimensions. For time, however, you only need one dimension. All you are adjusting is the ability of that single dimension to contain the separate frames.

To understand my reasoning concerning this, I will draw an analogy to the effect produced when you speed up the playback of a movie. Time seems to be going faster in the movie. The rotation of an axis with a fixed length will be used to depict it, but I want to be clear that taken literally the depiction has geometric flaws, and I'll explain and resolve them later. For now, just come along for the ride and enjoy the

journey. Picture that your entire linear life has been filmed, with the end result being over 7.5 billion individual frames for every 10 years. Let that stretch out along the X axis of linear time. Slowly rotate the X axis in the direction of the Y, around the point filming began. Any given 7.5 billion frames, while occupying 10 years on the non-rotated linear event-line, will slowly reflect onto that event-line as 9 years, 8 years, 7 years, and so on. The same number of events would be contained within fewer and fewer years, as if the clock of your life has sped up. With linear time still being measured on the X axis during rotation, the time between the individual frames has compacted. Given that the speed of light determines the time between frames on the linear event-line, light speed must increase to account for the compaction. (Since the speed of light is the only absolute reference for time in all moving frames of reference in 3-dimensionality, we will classify the multiples of the speed of light required for a particular percentage of event compaction in all moving frames in multidimensionality as the time-frames. For instance, a 5% event compaction may require 27 spatial dimensions and 3 time-frames – light speed multiplied by three. Thus, time-frame is a specific use of the word “frame,” which has many in this essay.) When horizontal-linear eventually became vertical-cyclic, all the events of your entire life would be contained at the Zero Moment of your conception!

Continue with the movie analogy but now imagine it is God who is the cameraman and His camera is able to film the entire Universe. At 24 frames per second, each frame would be a snapshot of the entire Universe – everywhere in tangible space – all at the same instant in time. No matter where you stood in the billions of light years distance of space, time in a given frame would be the same. (This isn't time as it occurs relatively between moving frames of reference, which all points in the Universe are doing re one another, but time in an absolute sense from the moment of creation as measured by light.) Now, what I said about rotating the horizontal event-line of your life applies to the event-line of the Universe's entire existence – perhaps 15 billion years to date. All those frames would appear in 14 billion years, 13 billion years, 12 billion, and so on, until you got to the Zero Moment of the Big Bang. They would all be contained at its creation.

Taken in reverse, we can visualize how the horizontal-linear event-line springs from the vertical-cyclic. If we set as the expanded event-line the period between the Zero Moment and Planck time, it becomes the transition from infinity to finity as the horizontal-linear was born with the minimum increment of time. It also then allows us to discern the process whereby the tangible Universe sprang out of the infinity within the minimum increment of space. The Universe of 3 spatial dimensions was being born from God's infinite dimensions. Eventually it got to the nine or so strings could appear in, and then to the 3 at 2nd *Quadrality* – Planck time. So, the relationship that all these dimensions – from the intangibly infinite to the tangible 3 – had to the 1 dimension of time that embraced everything, was the number of time-frames required to discern, access or interface with the particular dimensions involved. This would explain why superstrings, and even the somewhat larger subatomic particles that can pop into our 3 dimensions, could appear to defy the laws of linear time. It would also explain claims of extraordinary mystical experiences, some even documented, such as Padre Pio's ability to bilocate – to appear in two places at the same time. Somehow, Padre Pio was able to transcend an attachment to the 3 spatial dimensions and vibrate in resonance to higher ones. He got far enough into the other side of the Veil to bilocate on Earth. Beings that go higher can bilocate farther, or be in more places. God, at the infinite extreme, exists everywhere at every instant.

With the length arbitrary for the event-line being compacted, I have established a difference in space and time based on what is required to go from the tangibly finite to the intangibly infinite. Space needs the ability to manifest more dimensions; time needs the ability to access more time-frames. And there is an essential distinction between the linear event-line and the cyclic that points to how the rotation of the linear axis into the cyclic reflects this difference between time and space. The linear event-line begins at Zero Moment and then moves to the right for infinity. Thus, there is no linear time or space prior to it. The Zero Moment doesn't have a linear past re time or space. The cyclic event-line, on the other hand, is infinite in both directions, even at the Zero Moment. For space that means infinite dimensions; for time, infinite time-frames. How eternity occurs for positive values of time – the future – is easy to visualize. But it is less clear for negative values of time – the past.

To get a sense of it, let's look at the cyclic event-line, not at the Zero Moment, but at any point along the linear event-line, such as one during your life when you might begin filming. If after 10 years you rotated the linear event-line into the cyclic, all those movie frames would compact into that initiating event. But not only would you be compacting those 10 years worth of events you had already experienced, but also the events you had yet to experience. So, even though you were moving in a positive direction along the event-line, after 10 years there would be aspects of the past and future on it. And if the camera kept running after you were no longer around to control it, the events beyond your life would also be filmed. And all of those would have compacted into that initiating event, as well.

But now consider that at the event when you began filming your life there was a period of your life that predated it, going all the way back to your birth. Those are the events that would be considered as occurring along the negative direction of the linear event-line. And if you rotated that event-line around the point you began filming, not only would the events after it compact into that initiating event as the positive X axis moved into the positive Y, but also the events before it as the negative X moved into the negative Y. And before your birth there'd be other events in the life of the Universe, which would likewise compact into that initiating event – as had happened with the events from the future – but with these coming from the other direction. So again, at your birth there is past and future represented.

Even so, regardless of which side of the event-line you considered, the temporal progression of events would have occurred along a single line. And that could be said for every person, place or thing in the Universe, which, no matter where it may exist would contain the same reference to the linear event-line's speed-of-light time-frame. At any point along the linear event-line, all locations in the Universe are at the same moment with respect to creation. Moreover, at each of those points, future and past would be represented on the cyclic event-line – positive and negative time. But since spatial dimensions begin at zero and go to infinity, only positive ones would be found on the cyclic event-line. In other words, the half of the Y axis that extends below the X axis would contain negative moments but positive dimensions. Past and future for any event-line, regardless of its angle of rotation, contains only positive dimensions – from the three of the linear event-line to the infinite of the cyclic. Within them can exist anything for which positive and negative values both have relevance, such as charge, moment, phase, spin, etc. (Yes, even Heaven and Hell.)

With space and time placed on the same rotatable event-line, it is clear that anything with the ability to access more spatial dimensions can likewise access more time-frames – all of which increase with the angle of rotation. Any event-line at the

same angle would have access to the same number of dimensions and time-frames. The idea of proportion is crucial to grasping this because it reflects that, for any given non-compact event-line, a minimum number of dimensions and time-frames are required for a particular % of rotation. Scale then becomes the mechanism for using the same diagram to compare all frames of reference with a common percentage.

With event-line rotation thus understood, how event compaction can then occur through the simultaneous augmentation of dimensions and time-frames is covered by the addition of a Z axis, which I will do shortly. But for now let's stay with X and Y. The physical relationship of time and space to linear and cyclic principles – and as they've been depicted with X and Y axes – will never change and never did. Yet, the event-line in the *System of Quadrality* can be used, as it is here, to depict dimensions *and* time-frames, i.e., space *and* time. It is easy to visualize points along the X axis where a tangible past can be discerned. But if you slide the vertical Y axis along the horizontal X toward the Zero Moment, you are then either forced to find a way to make the lower half disappear or concede that negative time is still infinite at the Zero Moment! The latter is in fact what I believe to be the case, and at the core of the understanding of eternity at the Big Bang's singularity. Only linear time – time along the linear event-line – began at the Zero Moment. Then, present and future linear time have relevance – with the latter stretching to eternity. But at the Zero Moment, cyclic time contains the past as well, with past and future both extending to eternity!

To illustrate my proposal, I'll use a graphic device that I'll refer to as an event-cone. Though there are significant differences, in many ways it is reminiscent of the lightcone of *Relativity*, which is thus worth mentioning. My understanding of it is that if you depict an event in space-time as a point and then plot all the possible worldlines through it, you will produce two cones. The one on top will show future events, with the other, inverted below, showing past events. The axis of the lightcone (time) and the distance from the axis (space) establish position. Such lightcones are generally depicted in 2-D by removing the 3-D radial perspective. The axis represents a stationary particle or observer and any position off axis represents a worldline for a particle or observer traveling at a velocity with respect to it, depicted by the slope of the worldline. The maximum velocity of any particle or observer is the speed of light; and the set of all light-speed worldlines going through an event defines the lightcone for the event. In special relativity, the specialness, or invariance, of the speed of light means that anything moving at the speed of light in one reference frame will move at that speed in all unaccelerated reference frames. Any more than this is beyond what I feel competent to discuss. The main point for us is that the lightcones of *Relativity* establish for a worldline a range of possible velocities between zero and the speed of light. My event-cones, on the other hand, are placing the speed of tangible light on a horizontal X event axis, and any rotation away from that axis represents a speed for light faster than its tangibility value, all the way to infinity at the vertical Y event axis. *Relativity* acknowledges the possibility for speeds faster than light but can't provide a way for anything that exists or functions on one side to get to or function on the other. Event-cones show how this occurs once multidimensionality is considered.

While my event-cones and the lightcones of *Relativity* are graphic devices that portray some truth for space and time, the truth they are depicting is not the same. These truths, though different, are not in conflict. They reflect different aspects of the same *Big Picture*, as do *Relativity* and *Quantum Theory* for macro- and microcosmic existence in the Universe of 3 tangible dimensions for space. The event-cones of the *System of Quadrality* are addressing a truth neither of those sciences can – what

happens beyond our dimensions and how time is thus affected. Since I've postulated there is only one time dimension regardless of which side of the balance of dimensions you're exploring, the difference is in how time works. Time in *Special Relativity* is covered by a principle called *time dilation*. Whenever two frames of reference are moving with respect to each other, the observer is considered stationary and the observed will have a time that is shorter, as if its clock were slower. As the velocity of the observed increases, up to the maximum possible – the speed of light – its clock will eventually stop moving re the observer, to whom the observed time is zero. From the perspective of the observed, however, the observer's time is eternity. While *event compaction* may sound like *time dilation*, the difference is significant. In the latter, duration/event increases since light speed is invariant in unaccelerated (constant velocity) relative frames of reference. But in the former, duration/event decreases because the number of events is invariant in dimension/time-frame augmentation. (Note: we can consider *time dilation* a horizontal phenomenon within a dimensional domain, while *event compaction* is more a vertical phenomenon between domains.)

As the X axis rotates into the Y, two different sets of event-cones are produced depending on whether the rate of compaction or the rate of rotation is uniform. If the length of the event-line doesn't change, such a rotation would describe a circle:

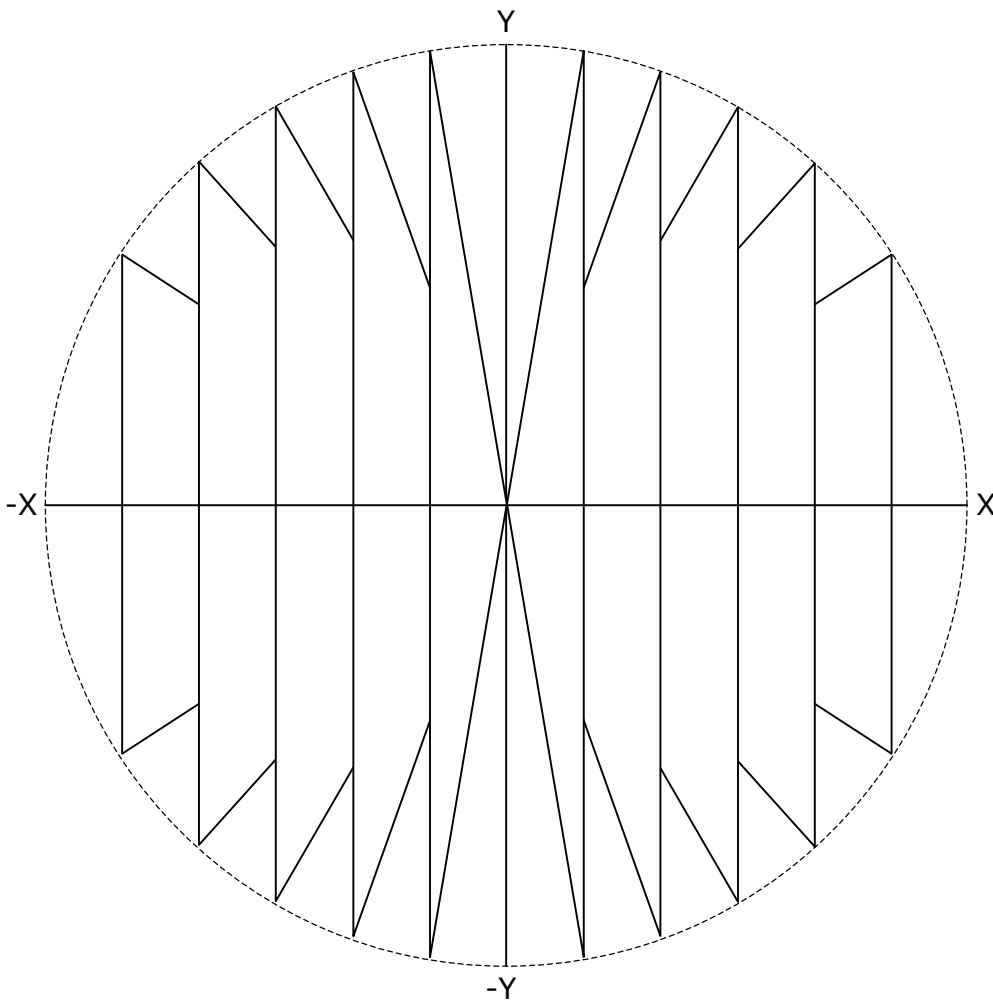


Figure UC : *Uniform event Compaction.*

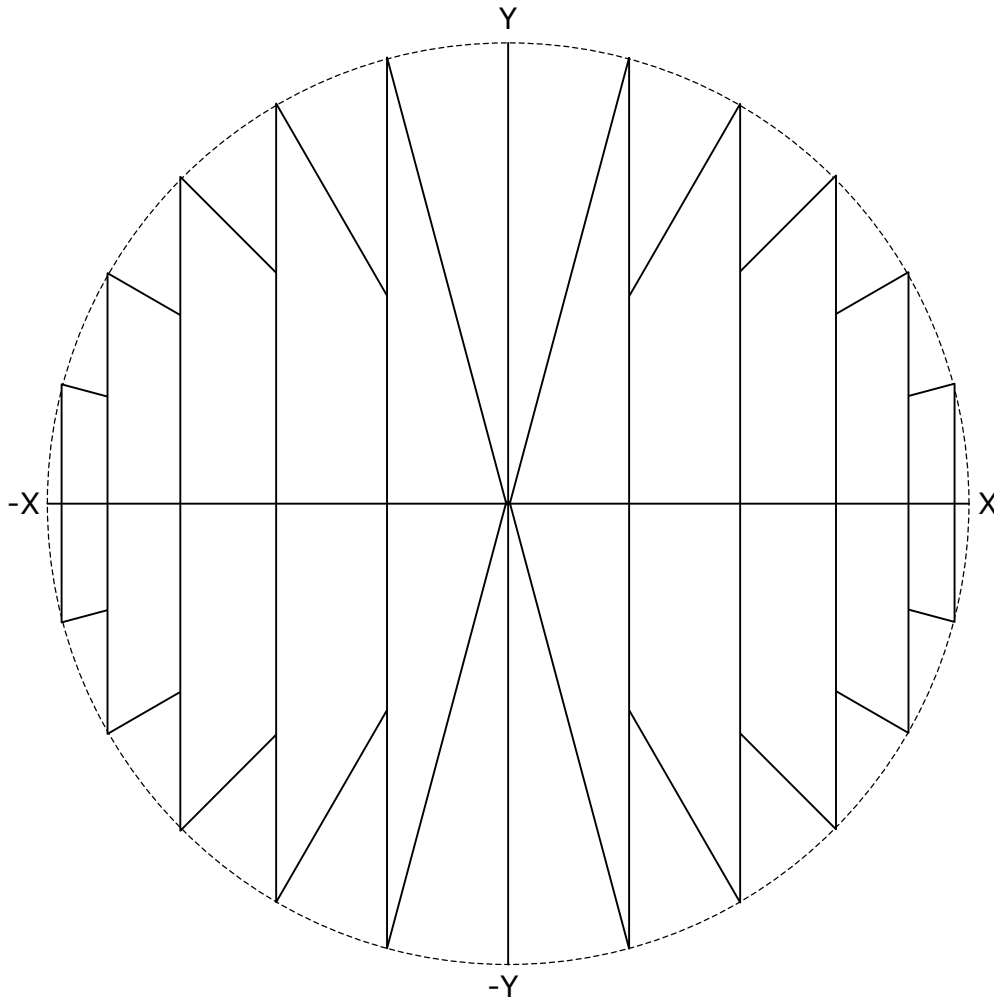


Figure UR : *Uniform angle of Rotation.*

First, we must realize that event-cones are 3-D graphic depictions, so the circle represents the outer limit of these cones in the X-Y plane. With this understood, I must also admit it is in the circle where we find the aforementioned geometric flaw. Being flawed geometrically doesn't mean there is something wrong with the geometry. Both figures contain geometrically sound circles, and their event-cones conform to our cognition of event compaction and dimension/time-frame augmentation. The flaw is in using the wrong geometry to depict the spiritual truth. That will soon be rectified.

Despite these sets being derived through a flawed geometry, I have provided both since they present a clear depiction of event-cones, which the geometry chosen for illustration can in fact afford us. The intersection of X and Y axes represents any present event. The distance from the intersection to the point that X or -X meets the circle represents the total future or past linear events being compacted. The rotation from X to Y or -Y (a reference to counterclockwise vs. clockwise rotation, which I'll explain later) indicates the process of compaction. Consider just the first event-cone (abbr. e-c) from Figure UC, which appears on the following page as Figure F-UC.

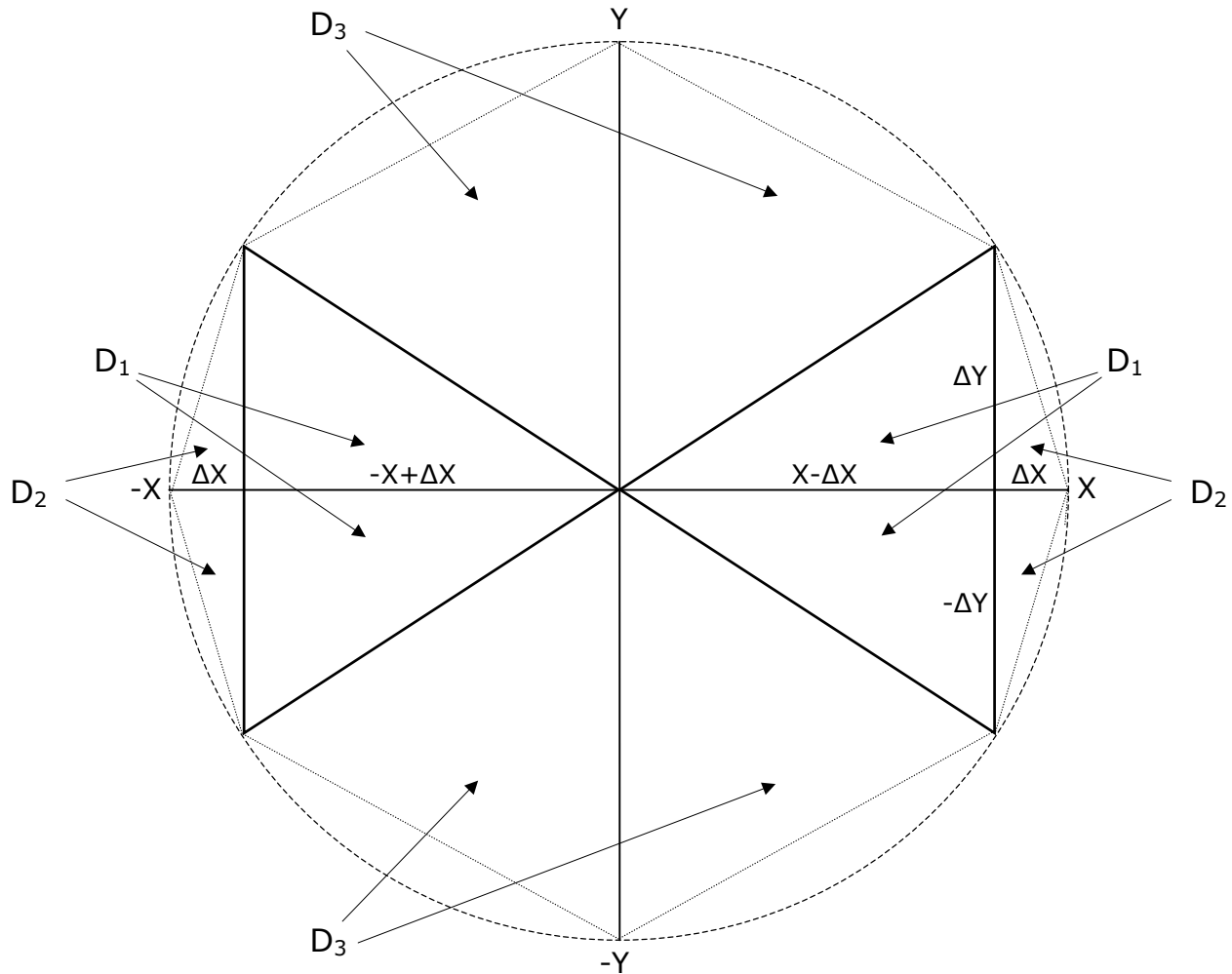


Figure F-UC : The *First* event-cone for *Uniform* event *Compaction*.

Examine the right e-c. As X begins to rotate, the distance it reflects onto the linear X decreases by ΔX (delta X: the change in X) regardless of the direction of rotation. Thus, the percentage of compaction is $\Delta X/X$. Since X has been divided into 6 equal increments, at the first increment the % compaction is $1/6$, approximated as 16.67%. (Determining the % compaction for the first increment of rotation requires a trigonometric solution, as does the % rotation for the first increment of compaction.) The distance along Y or -Y (ΔY or $-\Delta Y$) reflects the extent to which multidimensionality has been accessed to produce 16.67% compaction. This will have some relationship both to spatial dimensions and to time-frames. I will make no attempt to specify an exact formula for it, only to establish that the relationship exists. Such mathematics would require a peek at God's textbook behind the Veil.

The right e-c then represents the domain containing the compaction of future events with a linear value of X, within the isosceles triangle (two equal sides) specified by the height of $X-\Delta X$ and the base of $(2)\Delta Y$ (or, 2 times ΔY). That base will be referred to as the domain boundary. The left e-c does the same for the compaction of

past events. We'll consider them together as a domain set, D_1 , for their particular percentage of compaction – for which two other domain sets are also produced. One set, D_2 , would have each apex at X or $-X$, with a base still of $(2)\Delta Y$ but a height of ΔX . It represents what was compacted. An e-c could approximate it, as I have indicated with the dotted straight lines. But keep in mind, the domain is everything between the domain boundary and the segment of the circle produced by the boundary's intersections. Another set, D_3 , would contain the four regions between the rotated event-lines and the vertical Y axis, bounded by the segments of the circle not included in the previous. Again, segments have been approximated with dotted straight lines. This set represents the potential for future compaction. In essence, if we think of the rotation of X to Y as the progression from the 3-D Universe to the Infinite God, it's the part of the journey yet to take place from a particular level within multidimensionality. In reverse, it's the journey from God to that level.

As to the two sets of event-cones themselves, clearly they produce different results. Each has 6 divisions along the positive or negative X direction. In Figure UR, where the angle of rotation required for those divisions is uniform, the distance representing event compaction in each increment increases along the X axis in the direction of the Y . However, in Figure UC, where the event compaction is uniform, the rotation to arrive at each increment decreases as X rotates to Y . (Realize, the first increment is that between the end of the non-rotated X axis and the domain boundary of the first event-cone. The final rotation is to the vertical Y axis.) Regardless, both contain the geometric flaw. That is the use of a radius of constant length. In either figure, the rate at which events change along the Y axis is infinite at the moment the X axis begins to rotate and zero when it arrives at the Y axis. This can be seen by drawing a tangent to the arc through which the point at X or $-X$ travels. For $\Delta X = 0$, the tangent is vertical and thus parallel to Y , the axis that represents the transition into multidimensionality. For $\Delta X = X$, it is horizontal. So, in either figure it means there is an enormous jump into multidimensionality as soon as you leave the three of tangibility, which eventually flattens out at some value of Y and $-Y$. These rates at X and Y actually have the reverse correspondence to the truth of what the X and Y axes represent as you move away from the point of their intersection – physical infinity for $+X$ and spiritual infinity for $+Y$ or $-Y$. ($-X$ can only go back to the Zero Moment.)

Thus it is obvious that the movie analogy, though correct symbolically as far as the truth it is attempting to convey, is erroneous scientifically if an event-line of constant linear value is being rotated. To resolve the conflict, just use your common sense and consider what is occurring. The transition into multidimensionality should occur smoothly, beginning at the tangible three, with extra dimensions added gradually and then increasing as you approach the Y axis, at which point the increase should go into infinity. All we need is a curve that satisfies those conditions, and there is a type in mathematics that does. The following diagrams illustrate it in its simplest form, $Y = 1/X$, which applies in two of the four quadrants of our Cartesian coordinate system, with $Y = 1/-X$ in the opposite two. Since our purpose is to model dimensional evolution, an exact equation is not critical, only that its general form is spiritually correct. Also know that, as with the circle, these equations are for the outer limits of the event-cones as they reflect in the X - Y plane. Since the circle was geometrically flawed from the perspective of spiritual truth, I did not pursue the shape of the domain boundaries in the Y - Z plane, but that will become significant later. The first figure shows uniform event compaction, the second, uniform angle of rotation. An explanation for the augmentations they reveal will accompany them:

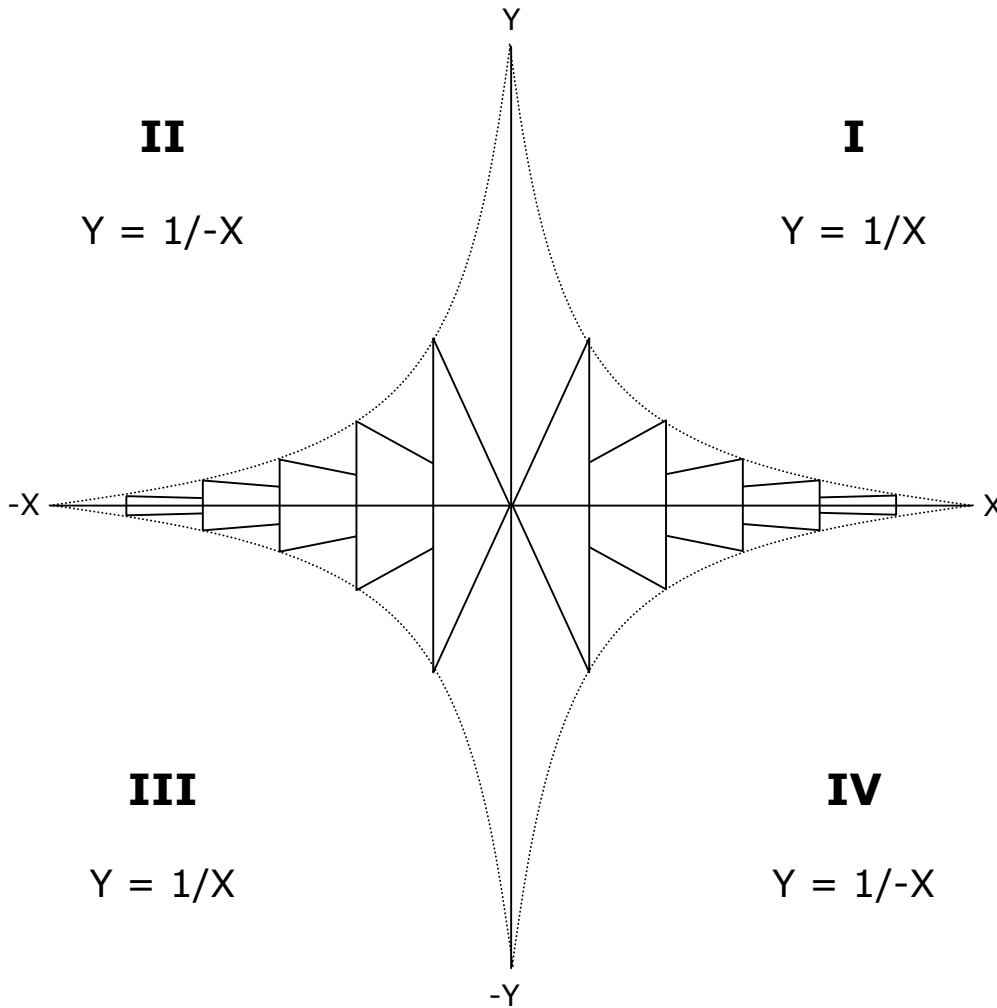


Figure DA-C : *Dimension/time-frame Augmentation* for uniform event *Compaction*.

First, let's look at the equations. The curves for quadrants **I** and **III** are both satisfied by $Y = 1/X$, since, in **III**, X has a negative value and thus so will Y . Similarly, though it is trickier, the curves for quadrants **II** and **IV** are both satisfied by $Y = 1/-X$. In **II**, X is already negative, so, the negative in the equation will make Y double negative, i.e., positive. In **IV**, X is positive, so, the negative in the equation makes Y negative. Now as to the equation itself, it is a simple function that in quadrant **I** specifies Y to be infinity when $X = 0$. The tangent of the curve is thus vertical at its inception beyond the limits of these diagrams. What this means in our context is that when the height of the event cone is zero – total event compaction – the base of the event-cone is infinite – infinite dimensions and time-frames. When $X = 1 = Y$, the tangent has rotated 45° . It is the point at which X begins to move toward infinity. As it continues to do so through greater and greater values for the height, X , of the event-cone, the base of the event-cone, Y , approaches zero. Zero is thus considered the limit of this function. Y in the formula can never equal zero, since, no matter how large X becomes, Y will always still have some extraordinarily small value. The way we can interpret this in the *System of Quadrality* is that though

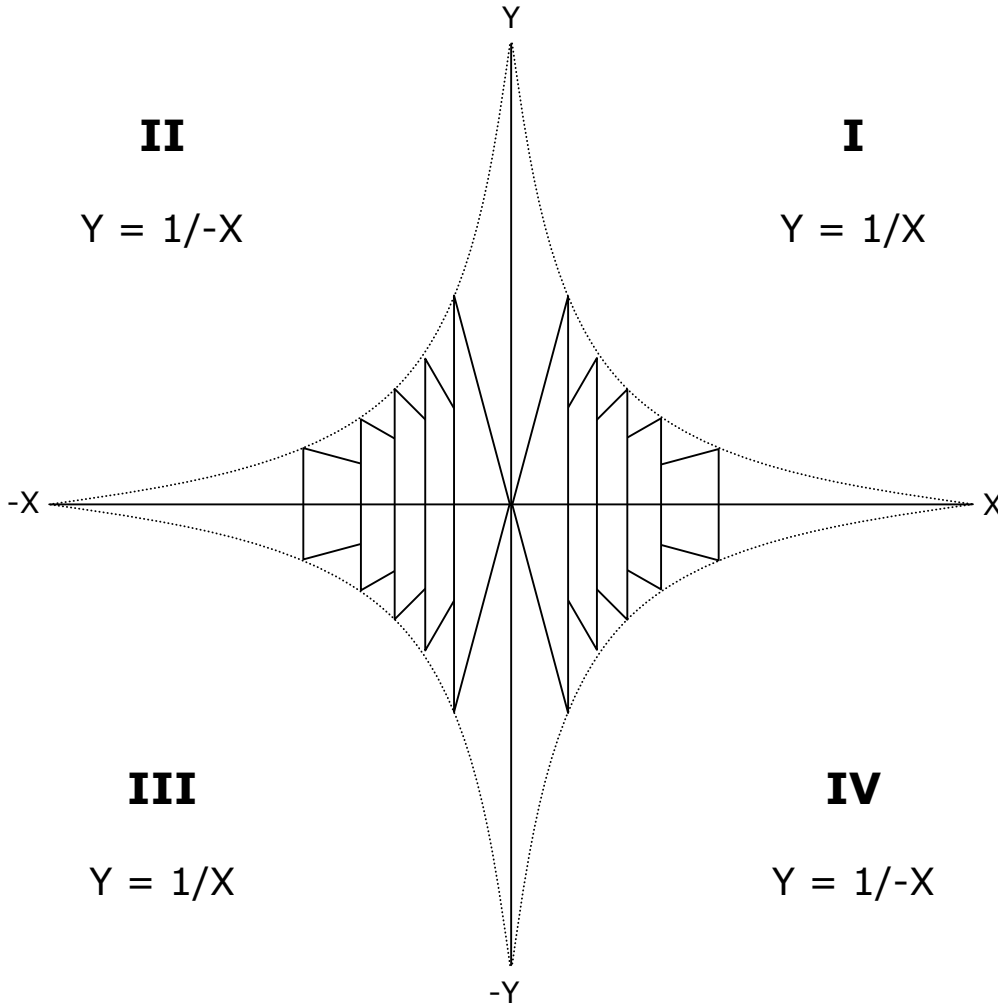


Figure DA-R : Dimension/time-frame Augmentation for uniform angle of Rotation.

the zero dimension – a point – does exist, tangibility will never have less than the three of space. With all spatial dimensions sharing the one of time, for us this limit also represents the slowest that the speed of light can ever be – its value in the Physical Realm. So clearly, Figures DA-C and DA-R are constructs as symbolic as the *Quadralitic Cube*, useful to model the *Truth within the Movement* and adaptable to the appropriate specific conditions of existence you wish to represent.

And as symbolic constructs, they have much to teach us. Any point along a curve references two percentages, one for compaction and one for rotation. Rotation is actually giving us a way to symbolize the degrees of freedom possible as a result of a given transition into multidimensionality. Compaction offers us a symbolic representation of the environment required for it. The environment and its degrees of freedom become another way to think about *content* and *activity* as they would apply in multidimensionality. Either compaction or rotation can be uniform, and both are possible. This is thus providing a range of values for *content* and *activity*, because the event-cones for either uniformity overlap. So, the Universe doesn't need to associate a specific dimension or time-frame presence to achieve a % transition into

multidimensionality, since either event compaction or angle of rotation can govern it. There is more flexibility than we can possibly fathom, and yet it all seems to move according to some grand design. The superposition in Figure S-DA below of the two augmentation figures will give some indication of it. The event-cones for compaction are shown with solid lines while those for rotation have dashed lines:

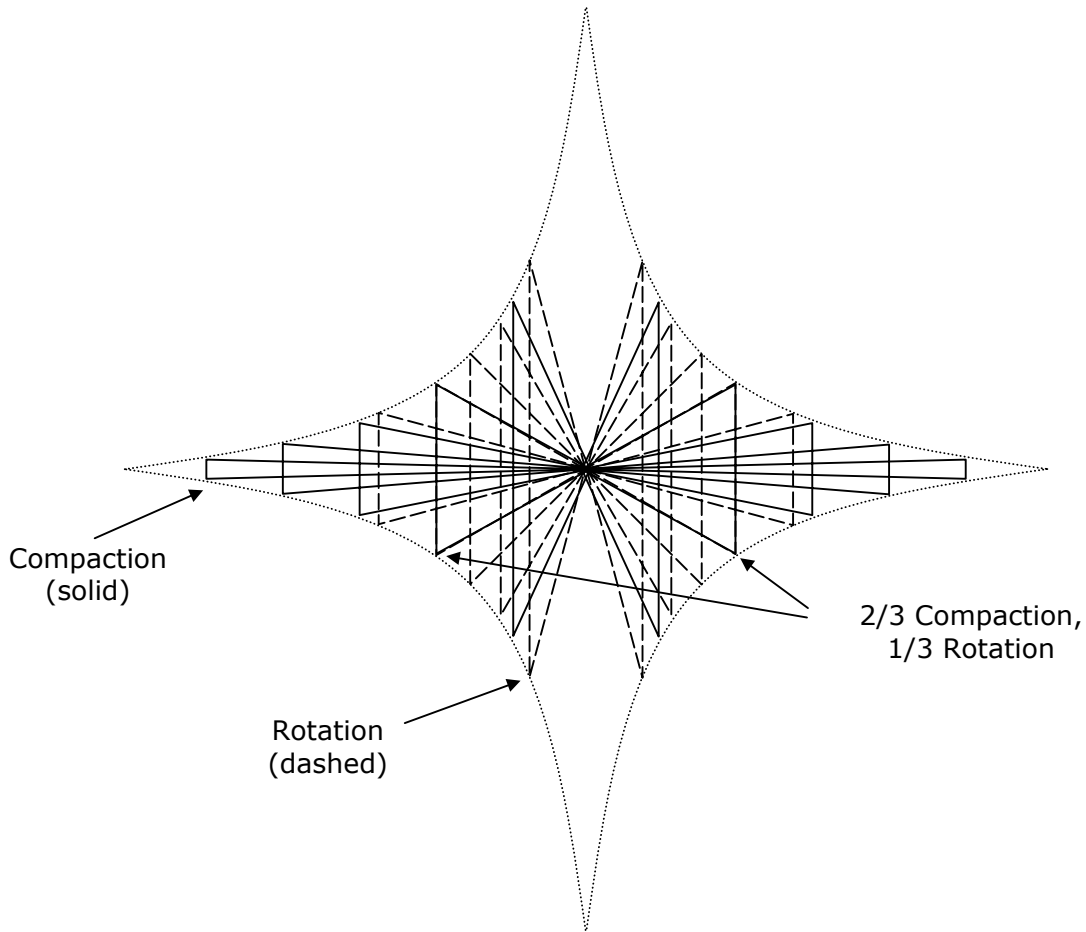


Figure S-DA : Superposition of the two *Dimension/time-frame Augmentation* figures.

Curiously, 50% compaction is achieved before the first increment based on rotation occurs. Thus, even a very small rotation can achieve a significant amount of dimension/time-frame augmentation considering they're going from near zero to infinity. The first 1/6 increment of event compaction from the 3-D of the tangible Universe requires a rotation of less than 5°. Yet, you'll also note that a rather large angle of rotation – more than 20° – is required for the final 1/6 increment of event compaction toward the Infinite dimensionality of God. But more significantly, at one point there is an alignment of event-cones produced by the two sets. The event-cone corresponding to 2/3 compaction aligns with the event-cone corresponding to 1/3 rotation. Actually, as just noted, any point on the curve would represent a percentage of compaction and a percentage of rotation, each being different. There are no values

for X and Y except at $X=0$ or $Y=0$ that provide the same % for both. This follows from the two trigonometric solutions noted on p. 824 for a given ΔY , where only event compaction or rotation can be constant. And yet, when based on the same uniform incremental percentages, for any curve there is one point at which the event-cones for compaction and rotation can align, and only one percentage – when their fractions are reduced to their Least Common Denominator (LCD) – for which they can do so. The LCD for Figures DA-C and DA-R is 33.33%. But, Figures UC and UR align at 1/2 event compaction and 2/3 angle of rotation for 16.67% increments, their LCD.

In all these figures you may have observed that except for those event-cones closest to the Y axis, they only have exposed their portion beyond the domain boundaries of those closer. This is reflecting an increase in the depth of the domain boundaries as they move toward the Y axis from the non-compacted values for X and -X. It is then that recalling the existence of the Z axis is important. That increase in depth corresponds to an increase in the potential event possibilities provided by additional dimensions and time-frames. A fundamental difference thus exists between what the lightcones of *Relativity* and the event-cones of the *System of Quadrality* represent, which becomes evident when you consider the shape of the domain boundaries in the Y-Z plane. The lightcones of *Relativity* are exactly that, cones with a radius from the T axis of X, which increases the further away you get from the initiating event. But, just as we had to rethink the shape of the curves in the X-Y plane of our event-cones, we likewise must use our common sense to understand what is happening in the Y-Z plane. The Y axis, when applied in the X-Y planes of the previous event cones, had alone been used to represent both time and space. And it was appropriate to do so when we wanted to consider them together as undergoing augmentation. The X axis still will. However, on p. 820 we learned there was a fundamental difference between time and space in that negative time existed but negative space didn't. On the following page I commented that the simultaneous augmentation of dimensions and time-frames would be covered by the addition of a Z axis. The moment to reveal that is at hand. It is due to the greater possibilities the Z axis allows in terms of the functioning of multidimensionality.

The mystery is not in that compaction and augmentation occur simultaneously. In fact, they must. Augmentation is the process whereby compaction occurs. But that process is occurring in both time and space, and it is for them the mystery must be resolved. For a tangible Universe to move beyond the constraints imposed by the laws of physics for both time and space, it has to be able to transcend those laws. That is the role of dimension/time-frame augmentation. For space it means the freedom of movement afforded by the addition of spatial dimensions beyond the tangible three, all the way to infinite dimensions. But for time it means the freedom of movement afforded by a greater speed within its single temporal dimension. So, augmentation reflects different things depending on whether it is time or space we are considering. Nonetheless, it must be acknowledged that these augmentations are intrinsically connected. One can't occur without the other. This will become clear once we illustrate the domain boundary in the Y-Z plane. We'll let the Y axis reference the augmentation of time-frames, since time is understood as having both positive and negative values. The Z axis will then reference the augmentation of spatial dimensions, which balance on either side of the Y axis not as positive and negative but as spiritual and physical. Of course, as noted on p. 820, within the positive dimensions of space can exist things for which positive and negative values have relevance. But in this way, anything that must maintain the balance of spiritual

and physical yet reference only positive values for space, such as the frequencies and harmonics of its *content* and *activity*, can still have a relationship to positive and negative time. But regardless of whether you are considering time or space, all values begin at zero and go to their respective infinities. So, the Z axis can be considered as functioning in relationship to the X axis in the same way as did the Y axis. Given that the domain boundaries established by Figures DA-C and DA-R for the X-Y plane, when it upheld both dimensions and time-frames, must be maintained once the former align to the X-Z plane, the same curves will apply for both planes. New equations will allow for their proportional relationship. But as I said, I make no claim that any of these are the exact equations. All are general forms used to illustrate the principles, and as such they are as capable as the *Quadralitic Cube* and the other illustrations I've provided have been. But if we then use these as our general form and view the domain boundaries as they would appear in the Y-Z plane, the result is below in Figure E-D, looking toward the intersection of the Y and Z axes from the positive extreme of the X axis. The dotted lines specify various domain boundaries at different levels of dimension and time-frame augmentation, and the equations provided apply if 3-D perspective is removed. A complete explanation follows:

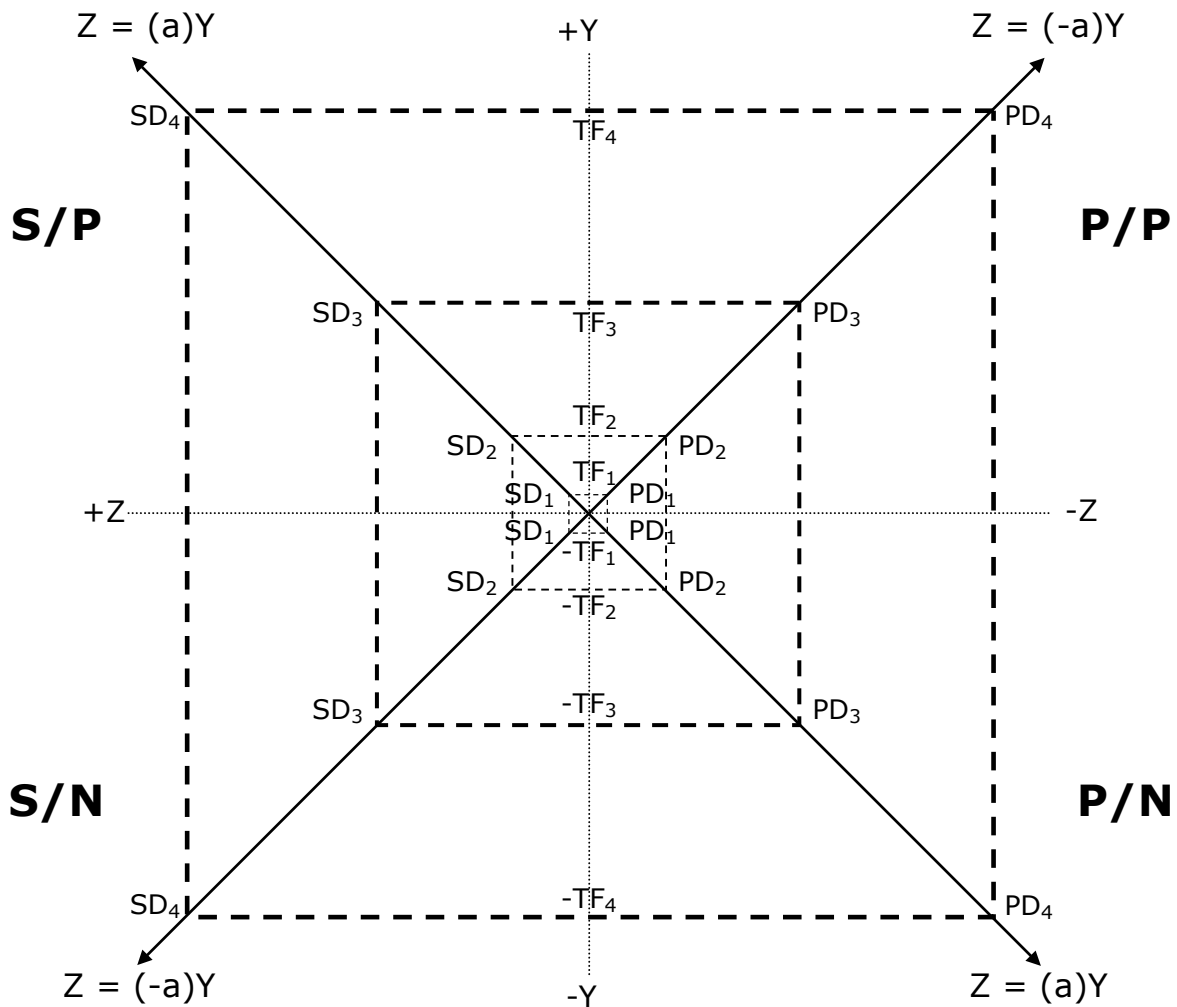


Figure E-D : A sample of *Event Domains* perpendicular to various values of ΔX .

The form that can satisfy this is the most simple, two straight lines based on the equations $Z = (a)Y$ and $Z = (-a)Y$. With the curves in the X-Y and X-Z planes being the same, the lines are perpendicular and the domain boundaries appear as squares. "a" is the proportional adjustment between Y time-frames and Z dimensions that accomplishes this, applied to the scale of the Z axis, allowing for time and space augmentation to exist in relationship to one another. It was implied when time and space were both assigned to the same Y axis. As to the values of either in a given domain, it may be reasonable to think of multi-dimensions being incremental in the same sense as are electron orbitals. Their proportional adjustment can be a constant. But the possibility exists for "a" to be its own function and thus able to evolve to suit the requisites of dimension/time-frame augmentation. The 1 time-frame has 3 spatial dimensions. 12 spatial dimensions, more than ample for superstrings, could comprise the 2 time-frame; perhaps 27 dimensions function in the 3 time-frame. Or, maybe by the dimensional level at which the Universe has superstrings it already is at the 3 time-frame. Even the whole number multiples I've used for time-frames, which seem logical given the precedent set by the electron orbitals just noted, may be an incorrect assumption (though I'm inclined to say that it's not). Remember, we're dealing with God's Mathematics. Also, these equations only establish a relationship between dimensions and time-frames in a domain, *with its boundary specifying the limits of those values*. However, you'd need to add the X axis to interrelate the individual domains through event compaction and angle of rotation.

+Y and -Y are indicating positive and negative values for time-frames. But, negative doesn't mean the speed of light has become negative, only that past events are being compacted. +Z and -Z have been given those signs for Cartesian uniformity, but they actually represent spiritual and physical dimensions of equivalent numerical value. And I have placed the spiritual values of Z to the left of the physical in keeping with that convention used in the *Four Pathways*. Interestingly, by doing so the positive Z axis is in proper Cartesian juxtaposition to the X and Y axes given that positive X is extending out from the page on which the illustration is printed. Thus, these adaptations don't obscure the truth; rather, they serve to illuminate it.

Now, as to the equations themselves. For $Z = (-a)Y$ in quadrant **P/P**, negating positive Y produces negative Z; in quadrant **S/N**, since Y is negative, the double negative results in positive Z. For $Z = (a)Y$ in quadrant **S/P**, positive Y produces positive Z; in quadrant **P/N**, negative Y results in negative Z.

The equations intersect at $Y = Z = 0$, which is allowable because zero is a value for dimensions and time-frames. The tangible Universe would be considered as having a domain boundary with the values of 3 dimensions and 1 time-frame. Thus, anything in the 3 dimensions of tangible space – a line, a plane, or a cube – is included. The zero dimension of a point source is within tangibility but separate from the other three. This reflects how lower dimensional domains exist in the context of those above – a conceptual parallel to *further levels of Quadrality* being in the context of those before. A point would also uphold the zero time-frame. Within a point there is no movement, and thus no light since light requires movement. And for light to move it has to do so in at least one dimension. In other words, a photon could be considered a point source, but it would have to move to be considered light.

Velocity, on the other hand, is a different matter in the 1 time-frame and can be anything from the zero velocity of a stationary frame to the actual speed of light in a moving frame. In a higher time-frame, velocity can be up to the augmented speed of light within those dimensions, and *time dilation* would likely then apply accordingly.

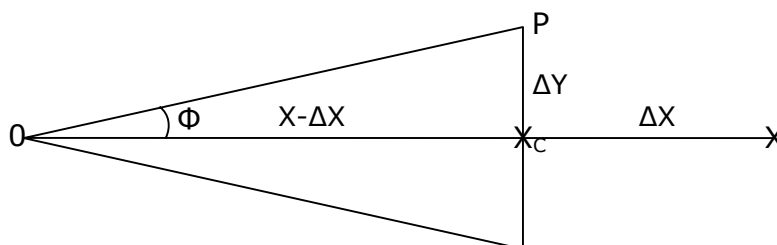
(My intuition is that the minimum velocity of any higher time-frame is the light speed of the previous, the maximum then being its own light speed.) From 3-D materiality, a very small angle of rotation would provide the dimensions and time-frames needed to be in different places at the same time – spatial projection (either bilocation or sub-atomic particles) – or in the same place at different times – temporal projection (post- and precognition). This can occur to a sufficient extent even in the dimensions just on the other side of the Veil. Realize, then, the Veil is a phenomenon of the limitation of tangible energy to exist in higher dimensions. But if the energy in tangibility were to change and become higher, it is possible that the Veil would also move to wherever the new separation would be, with ramifications we will soon consider.

In Figure E-D, I've illustrated values for the first four domain boundaries, as the subscripts indicate. The view is from the positive X axis toward its zero intersect with the Y-Z plane. The smallest domain thus comes first, followed by the progressively larger domains. The horizontal sides of each boundary are the positive and negative limits for the time-frames of that domain, specified by where they intersect the Y axis. The vertical sides of each boundary are the spiritual and physical limits of the spatial dimensions of that domain, specified by where they intersect the Z axis. The subscripts that indicate the time-frames and spatial dimensions in a domain have been used only to establish their relationship to that particular domain, and are not to be considered numerical values. (For instance, the 1 domain has 3 spatial dimensions and 1 time-frame.) Similarly, variations in dash density are only meant to illustrate the separate domains and are not a reflection of the energy within them.

With respect to the mechanics of space and time augmentation being modeled by these domain boundaries and their respective event-cones, the compacting length of X can be anywhere from Planck to infinity. Everything is proportional, with the space-time compacting between events to achieve particular degrees of freedom. All compaction occurs on the X axis. The reduction of X is being compensated by an increase in Y and Z – time and space. Thus we can see why event compaction and dimension/time-frame augmentation must be connected, and why a Z axis is required. (Compaction can extend to infinity macrocosmically or microcosmically. The latter occurs within Planck at any point along the X axis. So, it is best to think of either in the sense of being extremes. When infinity is reflected in the compacted range, macro- or microcosmically, proportional comparisons, explained next, don't apply.)

All this occurs through the rotation of the linear event-line, which I earlier noted can be either counterclockwise or clockwise. For either X or -X – the future or the past – it represents the ability provided by augmented time-frames to move within the future or past from that compacted point on the linear event-line. So, the domain boundary representing, say, 1/3 event compaction, indicates how far into the past or future anything capable of those degrees of freedom can travel – and what the augmented dimensions and time-frames would be to accomplish it.

On p. 821 I spoke of the roles proportion and scale have in relating myriad frames of reference to the same dimensions and time-frames. A graphic depiction will clarify this:



As I said, the length of the event-line, X , can be anything from the Planck time to the infinity beyond the Universe's present age. To avoid either extreme, pick three in between. Again, ΔX is the portion of X that has been compacted and $X - \Delta X$ is the resultant height of the compacted event-cone at X_C , the domain boundary. If ΔX is $2/5X$, compaction is 40%. Thus, given values for X of 10 billion years, 10 years, and 10 seconds, the height of the event-cones at X_C would be 6 billion years, 6 years, and 6 seconds. All of them would correspond to the above diagram given the appropriate scale. And all would thus have their domain boundaries intersect the quadrant **I** multidimensionality curve at the same point, P , and at the same angle of rotation, Φ (the Greek letter phi). Thus, anything at that angle of rotation, based on a particular percentage of event compaction, would have access to the same number of dimensions and time-frames represented by P , be they microcosmic intangible states or macrocosmic tangible conditions.

Throughout the Universe's history, since all macrocosmic conditions have existed in the context of microcosmic states, any compaction in the dimensions of tangibility has required the participation of higher dimensions. Hence, when the 15 billion year linear axis compacts, it is doing so through microcosmic states. But only macrocosmic conditions at that percentage of compaction would be able to perceive it. The non-compacted 15 billion year linear axis is oblivious to it, as is anything existing within it regardless of age. But once at a given % compaction, whatever is there has access to its available dimensions and time-frames. With compacted and non-compacted states and conditions intrinsically connected, the domain boundary represents all dimensions and time-frames accessible to a particular state or condition. Things in 10 dimensions can thus reflect upon the tangible 3. If not, superstrings would have no connection to 3-D existence; and the premise of string theory is, after all, that these microcosmic entities are the building blocks of all tangibility. The difference is the time-frame of their residence.

This is the truth that I said earlier the equations and illustrations I've used to adapt God's Mathematics would actually serve to advance. My desire was for us to come to a simple enough understanding of the way the Universe works beyond the dimensions we call home such that people could sit around and discuss it. Dimensional augmentation is incremental. There is enough evidence for that in tangibility. And within each increment is an operational range. Again, the evidence in our dimensions is clear. In tangibility, from one to three dimensions can apply, but all reference the same speed of light, which I've called the 1 time-frame. Thus, I find it reasonable to assume the next incremental leap would have a number of dimensions above our three, with their corresponding degrees of freedom, which work together to achieve it. Those degrees of freedom would require an incremental increase in the speed of light. But it is not necessary to know how many dimensions are in that increment, or what multiple of light speed would exist as its time-frame, to come to this workable understanding. So, when I say a particular number of dimensions and time-frames are required, it is the range of dimensions and their degrees of freedom from the one above the last increment to the maximum in those time-frames. If the next increment requires 6, 9, 12 or whatever dimensions in perhaps a 2 time-frame, the 4th functions still at that time-frame. Moreover, when I said higher dimensions can reflect into those lower, citing superstrings, we must likewise include our three reflecting into the point source. And once again in accord with the balance of *analysis* with *synthesis*, the lower dimensions reflect into the higher. Think about the ultimate act of behavioral reversal – the point source that sparked the fuel of 3-D creation!

For the 4th dimension to then be at a particular % compaction, accessible by the other dimensions in its domain and yet not be aware of them, is thought provoking, indeed. But after all, the same can be said of a line in 3-D materiality. And clearly, neither have the same functionality or form as higher dimensions in its time-frame. But all of this is in keeping with operational ranges. Moreover, the mystery would be eliminated re the capability for bilocation, interdimensional sub-quantum movement, and even activities considered more *science fiction* than *science*. You wouldn't have to be at the maximum dimensions in a time-frame to operate within it, only just on the other side of your own. Now, I realize my proposal sounds as much like *science fiction* as anything out of the pre-WWII speculative science magazines. I'm sure Hugo Gernsback would have loved it. But momentarily, this exegesis will, I believe, actually reveal some errors in scenarios writers have recently presented. First, I want to consider what it might take for anything anchored to 3 dimensions and 1 time-frame to move into higher dimensions and time-frames. How could Padre Pio bilocate? Or, how could an enlightened human being ascend into Heaven? I think the only way to realize it is to acknowledge the entire Universe and everything in it is transcending those tangible dimensions in all its conditions of existence at all times. If our bodies are truly composed of superstrings, we must constantly be doing so microcosmically. But our attachment to 3-dimensionality prevents us from accessing the required degrees of freedom in our macrocosmic daily lives. It clearly isn't physiologically insurmountable or it couldn't be done at all. Without even looking within multi-dimensionality, consider the prospect philosophically. Intrinsic to that attachment is the lack of need. Our domain environment provides for a fully functional macrocosmic existence. I and you, as we sit and share in the process of writing and reading this book, are filled with those transcendent dimensions. Yet, we have only needed our own 3 dimensions and 1 time-frame to circumvent the limitations of space and time. You are reading this in a different place and moment from those of its writing. So, given that we are filled with and surrounded by multi-dimensions, our attachment to tangibility must also come from lack of an awareness of our capability to let it go. Even so, there is a long road between the awareness of it and its fulfillment.

But, what would it take physically to transcend that limitation? We understand all *states of being* and *conditions of existence* to be forms of energy. Thus, to move from an initiating state or condition to a higher one requires a change in energy, ΔE . For an electron to move into a higher energy state, it has to absorb some energy, which it releases once it jumps back into the lower orbit. But for us to move into a higher dimensional reality, it is less about the higher energy that has to be absorbed and more about what has to be released. That is what tangibility represents to us – the material energy we already have and that must be released to jump into higher dimensions. Quantum states need to release very little energy to move between dimensions, since they have so little material energy to begin with. And strings have no 3-D energy, which allows them to live in the dimensions they do. So, for a human being to make the leap is a truly extraordinary achievement because those degrees of freedom require a purification of material energy few have been able to accomplish.

Nonetheless, the fact that it has been done means that it is a possibility inherent in our human potential. Now, as to what that potential might be I'll offer my thoughts on shortly. But it is in the contemplation of it where, I feel, many contemporary *science fiction* writers have gotten carried away. Synchronicity has become so much a part of this project that I am no longer stunned or amazed when it occurs, but rather, I embrace it as guidance. Thus, I see things I may have otherwise

overlooked. But even I had to chuckle when, as I was working on this essay initially, several sci-fi series I particularly enjoy played reruns dealing with parallel universes or alternate realities. And some of those were even repeated on successive days at a different time, as if to make sure I got the point. I had expressed my opinion concerning these concepts briefly in the main text, but in this essay I realized I had greater tools with which to explore it. However, before I could do so I was diverted to begin working on the last few essays following this, which complete my addendum to ***The Totality Of God And The Izunome Cross***. By the time I finally returned here, expecting a minor rewrite, my mind had opened to a greater awareness of the truth, and most of the completed essay was born in the rewrite. But as coincidence would again have it, as soon as I came back to this another flood of episodes appeared, including some I'd not seen in the first wave. One, from my favorite series (attentive readers should be able to guess which that series is!) acknowledged how the theory of alternate realities had been developed. Basically, it was an extrapolation of quantum probability to cover tangible existence. The quantum application is that with infinite possibilities for quantum states, each of those possibilities represents a path down which a course of history will travel based on the infinite choices provided by infinite possibilities. Thus, there are infinite paths. How that translated into this particular episode was that a tear in the fabric of space-time had caused those alternate realities to suddenly start popping into the reality of the show's characters.

While such a scenario may make for entertaining television, I think you should be able to see from what I've presented why it isn't possible. Infinity certainly does exist, in its harmonics and frequencies, time-frames and dimensions. But it is the time-frames and dimensions accessible to a reality that establishes the reality, and choice becomes the selection from among possibilities given the constraints of the states and conditions in those realities. The reality we call space-time is bounded by the constraints of its linear event-line. Only one selection corresponds for a particular condition of existence at any given moment, and only one event-line then leads to the next selection at the next moment. And as a result of those selections, conditions interact with each other, either in cooperation or competition, on the myriad of new selections and resulting event-lines composing linearity. All for which the tangible dimensions of space-time can be called home must live in accord with that truth. When quantum states pop into our reality, it isn't that they came out of nowhere. They have merely moved their residence from the reality of the dimensions and time-frames from which they came. And the way things behave in that alternate reality is different from ours, as is the energy there in existence. However, unlike proposals that such alternate universes would have to exist according to laws contrary to ours, the *Laws of Being and Existence* are the same. After all, if the energy from higher dimensionalities can function in those that are lower, there must be a universal truth through which they do so. In that truth can be found these *Laws* uniting everything – the One Infinitely Spiritual God and the one infinitely physical Universe.

Another series had an episode that actually incorporated a story line closer to what I believe to be the physical truth, and I also didn't see it until the second wave of reruns. The plot involved an entire world popping out of nowhere to take on a tangible form for a short amount of time in preparation for the next 60 year period in a higher energy dimension. It was proposed that when the world and its inhabitants existed in that higher dimension, they existed as energy beings of a far different and grander form and with far greater capability. Nothing more specific was said about it. The idea was to let the viewer's imagination take care of the rest.

We do not have to let our imaginations wander far to relate to this. It is all right here within these pages. When any of these shows tried to explain the phenomena encountered, words familiar to us were tossed about, like frequency and vibration, harmonic and resonance, almost as if the use of the words would be enough for the average sci-fi aficionado to accept the premise. Of course, these words have come to mean more to us than as clever allusions to truth for the sake of argument, but as the principles underlying the truth. All the symbolic constructs I've explored with you apply to everything in the Universe, and we can now include in that all its dimensions. Those four words from a few sentences ago apply to everything, everywhere, no matter which dimensions you are considering. And the 3-D model for all *content* and *activity*, however it exists in the context of those four words, is the *Quadralitic Cube*. The electromagnetic spectrum is understood as extending from zero hertz to approximately 10^{23} hertz. But that is certainly not infinity, and it may be in the frequencies above them where strings operate. You might say strings work in 10 dimensions, and that would imply a separation from us. And yet, as noted on p. 833, strings are reputed to be the essential building blocks of all 3-D matter. So, there must be a connection. Couldn't the connection be harmonic? Similarly, couldn't there also be a harmonic connection in their dimensional domain to frequencies in our electromagnetic spectrum? Scientists helped me make the case for that in the first essay on multidimensionality, proposing string membranes the size of the Universe. A wavelength of infinity corresponds to a frequency of zero hertz. So somehow, the minimum velocity in the next domain, said on pp. 831-832 to be the speed of light, translates into ours as zero km/sec! The difference, then, is not in the properties of wave and particle, but in the domains in which those properties are occurring.

Several times in the aforementioned TV shows, in which I actually consider their use of scientifically poetic license visionary, the words "quantum signature" came up. It is an artistic way to express the idea that all matter has an energetic identity. This begins with the periodic table of elements, constants for matter throughout the Universe. Each element has a unique atomic number, equivalent to the number of protons in the nucleus of its atom. Since an element's electrons will equal its protons, each element is also unique, then, in the way it vibrates. These vibrations give every chemical element a characteristic spectrum – its own distribution of electromagnetic radiation. These wavelength patterns are often called "signatures" because they make it possible to identify the constituents of an unknown substance by analyzing its spectrum. So, matter and energy contribute to an element's identity. But I think that if a "signature," call it quantum or atomic, is to be discussed for existence in multi-dimensionality, an additional "initial" would have to be added to its name, one that indicated its dimensional domain. And it would be dependent on its time-frame.

The thing that makes the identification of all matter constant in changing frames of reference is the only tangible thing that doesn't change – the speed of light. It is what enables scientists to apply the Doppler Shift law to explore, among other things, the elemental composition of matter in the far distant reaches of the Universe, as well as how fast it is moving away. In the previously noted episode on alternate realities, the solution to the predicament came in discovering which reality had the correct quantum signature. For us, alternate realities mean other dimensional domains. And the ability for a thing to enter those domains must include an ability to adjust the extra "initial" of its quantum signature to the alternate time signature.

I love how the Universe is so musical. More than just the beat, time signatures identify the underlying pulse of any musical piece. In its denominator and numerator,

the latter over the former, a time signature indicates the rhythmic value for a beat in a measure (segment of music) and the size of the pulse (number of beats) before a new measure begins. To play a melody, you need its key, its octave, and its time signature. The key is the tonal center around which it is played; the octave is the tonal level at which it is played; and the time signature is where you place the downbeat while it is being played. The tempo is discretionary. So, once again we can see the connection between Music and Mathematics so fundamental to all existence in the Universe and in all its dimensions. Frequencies and harmonics cover the first two – the horizontal and vertical energetic ranges of a domain signature. But, the speed of light – its time signature – is where you place the downbeat. All else flows from it.

I realize that may sound strange, but we need to reconsider some obvious preconceptions about existence beyond the 1 time-frame. When one tangible frame of reference travels at a different velocity to another, the frame considered stationary would notice that the other is moving. But the traveler, for instance an astronaut in a space ship, would be standing still from its own perspective and the rest of the Universe would look like it was moving. Regardless, both observer and observed would record the same speed for light. And while the clocks each carry would indicate a different elapsed time in relationship to that difference in velocity, upon return, the clocks would then continue to measure time the same.

Apply that now to multidimensional existence. Whatever exists in any domain does so because it has a time signature that allows for it. And all we've come to know about light speed in relative frames of reference ala *Relativity* would apply there based on its time signature. To then extend that understanding to multidimensional travel, when something moves from those dimensions into ours, its clock adjusts to ours. While in the higher dimensions it is functioning according to the constraints of its dimensional domain – the dimensions in which it exists and the time-frames governing its movement. Once in our dimensions it conforms to our dimensional domain's constraints. Now consider the opposite. When something from our domain moves into higher dimensionality, it then exists according to that higher dimensionality's constraints, which includes a movement at some multiple of the speed of light as we would observe it but which is perfectly natural from its domain. And such an ability to cross over would give both Padre Pio and a quantum particle the ability to appear in two places at once. (That ability for a particle beam was first noted on p. 475.)

So, existence in the higher dimensions is just another form of existence. Normal matter can't cross over because its time signature won't allow it. But whatever has the correct time signature can, and within its dimensional domain its existence would appear quite normal to it. In case you have a hard time relating to that, consider the range of energy and matter in our 3-D Universe. Material forms of energy can't approach the speed of light because of the energy it would take to do so. However, a photon, pure energy – and still with a 3-D time signature – travels at the speed of light because it *is* light. And to the photon traveling at that speed, all would seem just fine as it vibrated its way through the tangible Universe.

The final points we need to come to an understanding on are how something from the 3-D world can cross over and what existence might actually be like there. The *System of Quadrality* is based on the principle that all energy exists as a range of values, and, this energetic range can be divided into four basic regions that are both separate from and yet capable of interacting with each other. Consider these four ranges as I have since the beginning described them: Soul, Heart, Mind, and Body. For now, ponder only on Body. In 3-dimensionality, the lowest of the dimensional

groupings – Body – is its most dense. This sort of Body could not exist in multi-dimensionality, and I'll cover what can more specifically in the next essay. But purely based on how we understand the *System of Quadrality* to function, at the 1st level Body is separate from the three quadralitic realms in the *Spiritual Model*. However, by the time you get to the 3rd level, Body exists in all quadralitic realms. Still, it is Body in the context of the levels before. So, for Mind it would be Body in the context of quadralitic Mind. For Heart or Soul, it would be Body in the context of quadralitic Heart or Soul. In each case, Body is a different energy. Now consider Soul at the 1st level. By the time you get to the 3rd level, Soul is in all the quadralitic realms. But, for Body it is Soul in the context of quadralitic Body. Soul, an energy we would associate at the 1st level with the highest dimensions and which would likewise be separate from the three quadralitic realms in the *Physical Model*, has a form that can exist in the lowest. But though it exists here, and is intrinsic to all 3-D existence, we can't perceive it any more than we can Body in the dimensions just above ours – the Body in which superstrings would be included.

It is in this way that we can begin to relate to an integrated spiritual and physical Universe regardless of the dimensional domain. Begin in ours, with its Extreme quadralitic ranges. Soul is both a spiritual harmonic and a spiritual frequency. Body is both a physical harmonic and a physical frequency. Therefore, they are considered separate regardless of whether you are analyzing their harmonics or frequencies. This is in accord with the separation of the root realms and models in which they exist either in *content* or *activity*. (We'll explore in an upcoming essay – the *Determinants of Universal Separation* – how frequencies specify energetic *content* and harmonics specify energetic *activity*.) But both Soul and Body exist in balance with two other energetic ranges, depending on whether that balance is in harmonics or frequencies. Those ranges are the quadralitic Means. Heart is a physical harmonic and a spiritual frequency; Mind is a spiritual harmonic and a physical frequency. Thus, the balance of Soul and Heart is one of spiritual frequencies; the balance of Soul and Mind is one of spiritual harmonics. The balance of Heart and Body is one of physical harmonics, the balance of Mind and Body is one of physical frequencies.

The need to balance in either harmonics or frequencies determines, then, which balances are involved. Since frequencies are considered determinants of *content*, Mind and Body balance physical *content* regardless of which dimensions are being considered. In them we find the answers – once attachment to any 3-D energy components has been released – to both Padre Pio's bilocation and interdimensional quantum movement. For, in his claiming the gift of bilocation, it was not as a tangible body in two places at once. While in deep meditation and prayer at one location, he could project himself into another. Sometimes the feat could be documented through information concerning that other location related to those who had been present. At other times people said they could smell a fragrance specific to him. But the most famous case occurred during WWII when bombers, upon seeing his image before them in the sky, found they were unable to release their bombs. When asked how he, with God's help, had accomplished these feats, Padre Pio once replied it was through an extension of his personality. Though a psychotherapist may scoff at the possibility, a student of *Philosophysics* could suggest he'd done it by tapping into a very high energy within his mind, one that transcended the 1 time-frame. But realize. In doing so he didn't just imagine he was there, he really went there! And both his image in the sky and the fragrance in the room indicated how powerful that projection was. Now, was it his image bombers really saw, his scent of roses others really smelled?

Or was he interfacing with their perceptual receptors in a way only those who have achieved that level of mental purity could understand? And as far as bombs failing to release, perhaps those bombers were being visited by more than the Padre's image, but *the Source* of the energy powering that projection. Maybe those bombs dropping weren't in God's Plan, a fact the Padre's prayer and appearance were both serving.

Similarly, Soul and Heart balance spiritual content regardless of the dimensions being considered. In the next essay I'll cover more specifically how that can relate to the existence of Heaven and Hell in multidimensionality. In this one I'm speaking more to the mechanics of it. But to see how Soul and Heart function together as the energies of those states, think about how those states manifest as conditions in 3-dimensionality. When human actions anchored in will or love don't conform to God's guidelines for them, it is Hell that we truly manifest for ourselves.

So, with Soul and Heart, Mind and Body, able to manifest as frequency *content* separated on either side of the dimensional Veil, it is in harmonic *activity* where we come to the truth of their connection, since the transition between dimensional realms is an energetic *activity*. It occurs in the Means energies. Mind is a physical frequency but a spiritual harmonic. And by aligning with Soul, its harmonic balance, Mind can transcend the dimensional Veil and become the channel for communication between the agents of good and evil intention and the forms of positive and negative thought. For, what are Soul and Mind but the bearers of wisdom and information. Likewise, Heart is a spiritual frequency but a physical harmonic. And by aligning with Body, its harmonic balance, Heart can transcend the dimensional Veil and become the conduit for connection between the spiritual life in the thereafter and the physical life in the here and now. For, what are Heart and Body but the vessels of love and energy.

The previous considers frequency separation and harmonic interaction at the Root level. And when this essay began, I used angels and superstrings to illustrate the two modes of harmonic connection, with frequencies then in division. This is in accord with the separation of energetic ranges. However, I also stated that Duoduality requires those separate dimensional ranges to interact, with the *Principle of Balance* mandating the correspondence in *content* and the *Law of Order* in *activity*. Harmonics allow for the transfer of *activity*, and they're responsible for upholding the *Principle of Harmonic Alignment*. However, frequencies permit the transfer of *content*, and their responsibility is to uphold the *Law of Dynamic Stability*. Both thus serve the *Law of Universal Use*. Hence, frequencies must also have a way to bridge the gap. Though *further levels of evolution* allow for frequency interaction, they all occur in the context of the *1st level's* Root Realm frequency separation. To reconcile this at the *1st level* we must recall that there are two orders of energetic evolution, and the specified one is the *Spiritual Order*. When the *Physical Order* is in play, the roles of frequencies and harmonics re separation and interaction reverse. For clarity, let's expand our examples to include two other entities that exist there: apparitions, and an individual afterlife. And to keep it simple, let us say all would call as home the same dimension/time-frame augmentation – for example, 12 dimensions in 2 time-frames.

The entities in the following figures have been arranged into columns and rows. In each, the vertical columns reference separation at the Balancing Center, the horizontal rows reference interaction across it. The first figure does so for the *Spiritual Order*, the second, for the *Physical Order*. Being able to use the Balancing Center to serve as the Veil between multidimensionality and tangibility is another indication of the flexibility inherent in the *System of Quadrality* to adapt in modeling the diversity of energetic truths in the Soul, Heart, Mind, and Body of the Universe:

	<u>SPIRITUAL FREQ.</u> Spiritual Realm	<u>PHYSICAL FREQ.</u> Physical Realm
<u>SPIRITUAL HARM.</u> Spiritual Model	SOUL Angels and Demons	MIND Apparitions
<u>PHYSICAL HARM.</u> Physical Model	HEART Individual Afterlife	BODY Superstrings
	<i>Multidimensionality</i>	<i>Tangibility</i>

Figure S-O : How frequency separation and harmonic interaction occur at the Balancing Center in accord with the *Spiritual Order* of evolution.

	<u>SPIRITUAL HARM.</u> Spiritual Model	<u>PHYSICAL HARM.</u> Physical Model
<u>SPIRITUAL FREQ.</u> Spiritual Realm	SOUL Angels and Demons	HEART Individual Afterlife
<u>PHYSICAL FREQ.</u> Physical Realm	MIND Apparitions	BODY Superstrings
	<i>Multidimensionality</i>	<i>Tangibility</i>

Figure P-O : How harmonic separation and frequency interaction occur at the Balancing Center in accord with the *Physical Order* of evolution.

First, I want to make sure you understand what these entities are representing. All four are being acknowledged to exist in the dimensional domain just on the other side of the Veil from ours. To what Angels/Demons and Superstrings are referring should at least be clear. And in upholding Soul and Body, it should also be clear they represent Extremes that, though exhibiting the ability to have an impact on the lower dimensions, do so in very different ways. Superstrings, believed to be the intangible foundation of tangibility, are directly interactive and intrinsic to material existence. Angels and demons, on the other hand, though able to interface with our side of the dimensional Veil, generally do so without our direct awareness, and interaction then is indirect. When angelic visitations do occur it is through Mind, the energetic partner to Soul in the *Spiritual Model* – as shown in Figure S-O. And when demonic possessions occur, the Mind is likewise the residence.

Apparitions, in upholding Mind, represent any intangible mental projection or form – from angels to ghosts to bilocated humans. All in a sense are aspects of the same principle, with the difference being the *source realm* of the transmission – which would thus affect the extent of any substantive presence available from its *Model*.

In upholding Heart, the individual afterlife refers to the spiritual continuation of a particular soul's physical journey, as in the Western view of the afterlife; and I have specified it as such to differentiate it from the Eastern view where the afterlife is seen as a karmic transmigration from one life to the next. These opposing views will be resolved in the following essay, as well as why I have associated the former with Heart rather than Soul. But here, Figure S-O holds the key as to how. Heart is the energetic partner to Body in the *Spiritual Model*, and the physical harmonics that activate superstrings in multidimensionality could also for a soul's transformed body. (Spiritual harmonics activate the previous page's Soul/Mind interactions.)

So, now we have a better idea of how frequency *content* on either side of the dimensional Veil can impact each other through their harmonic connection. Let's move on to Figure P-O to see what we can learn of how harmonic *activity* on either side of that Veil can impact the other through their frequency connection. Spiritual entities and a person's soul flow from the same spiritual frequency origin. Likewise, karmic transmigration and our etheric body flow from the same physical frequency origin. Again, all will be further explored in the next essay from the philosophical perspective. But these two figures allow us to model the science behind it.

Now that we've used these specific entities to come to an understanding of the processes involved in dimensional transition, let's continue our study with the general energies of Soul, Heart, Mind, and Body, so our symbolic construct can be applied to everything. Were you to superimpose Figures S-O and P-O, they'd provide a clear depiction of the separation and interaction of harmonics and frequencies across the Balancing Center of the *1st level of Quadrality*. By then placing a pair of superimposed figures side by side, the separation and interaction of harmonics and frequencies on either side of the Balancing Center at the *2nd level* would be revealed. This view also allows you to visualize how any multidimensional entity can have a 3-D reflection.

The Balancing Center as representing the Veil between the Root Realms was fundamental to the *System of Quadrality*; thus, this is not a new understanding for us. But we now realize that it can also symbolize the Veil separating multidimensionality from tangibility. Figures S-O and P-O have been structured to clearly illustrate this. As the terms placed at the bottom of each column show, instead of signifying the separation of frequencies or harmonics as being spiritual vs. physical, we can let them signify separation according to being multidimensional vs. tangible.

Begin by considering Figure S-O at the *1st level*. Regardless of the dimensional domain, frequencies exist in the range of values from zero to infinity – with zero meaning no *content*. On p. 837 I spoke of frequencies as tonal centers. When they are in domain separation, as in Figure S-O, it's a result of a difference in those tonal centers produced by their domain signatures. They are being connected through their harmonic equivalence, and such equivalence occurs either through odd-spiritual or even-physical harmonics. It is harmonic equivalence that allows tonal centers in relative dimensions – multidimensional vs. tangible – to affect each other according to the constraints of the other domain signature.

Now consider Figure P-O at the *1st level*. Likewise regardless of the dimensional domain, harmonics exist in the range of values from zero to infinity – with zero meaning no *activity*. On p. 837 I also spoke of harmonics as tonal levels. When they

are in domain separation, as in [Figure P-O](#), it's a result of a difference in tonal levels likewise produced by their domain signatures. They are being connected through their frequency equivalence, and such equivalence occurs either through spiritual or physical frequencies. It is frequency equivalence that allows tonal levels in relative time-frames – again multidimensional vs. tangible – to affect each other according to the constraints of the other domain signature.

There are three issues, which appear in both of the last two paragraphs, that I need to make sure you are clear on. The first concerns the use of relative to describe dimensions and time-frames. When relative is used to describe frames of reference in *Relativity*, those reference frames are all in the same dimensional domain of tangibility and thus all at the same speed-of-light time-frame as we apply it in the *System of Quadrality*. That's what it means to have the speed of light be invariant in all tangible frames of reference. What is considered "relative" in those frames of reference is linear space and time. And there is a set of mathematical transformations developed by the Dutch physicist Hendrik Lorentz whereby you can correlate the space-time coordinates of relative systems. But when relative is used in the *System of Quadrality* for dimensions and time-frames, linear space and time are invariant and the speed of light is considered "relative." That is because those reference frames, though containing the same number of space-time events, are not in the same dimensional domain. (Light speed in the space-time of each domain is still invariant, with space and time in each still relative.) Now, it is unlikely there will soon be a set of elegant equations to perform any correlation between relative time-frames, beyond the symbolic ones I used to model event compaction and the augmentation of space and time. But that does not prevent us from understanding how it happens and why.

And part of that understanding involved the other issues left to clarify: the use of the construct "domain signature" to identify a given domain, as well as what may be meant by its "constraints." One of the definitions in *Bookshelf* for constraint is something that "restricts, limits, or regulates." Another is "the state of being restricted or confined within prescribed bounds." In a sense, both can be considered forms of bondage, the latter more as something externally imposed while the former is more internal. Being able to move between domains then becomes a matter of releasing the things that keep us in bondage.

Spiritually speaking, that bondage will represent any addictions or attachments to things that don't serve our greatest spiritual good. Scientifically, for any physical condition that bondage can be understood as material density. The periodic table of elements lists the range of values for 3-D materiality. Tangible elements have no *direct* equivalents in multi-D materiality. With the quadralitic realms, 3-D materiality is confined to Body. In *Mysticism* we discussed the parallel to this that exists in the *Cabala*. *Malchut*, the tenth Sphere in the *Tree of Life*, corresponds to the human body and its environment ([Point R](#)), which can be seen ([Point E](#)) as being in sole possession of the fourth aspect of God in the *Tetragrammaton*. This is our fourth quadralitic realm, Body. To traverse the Veil between Mind and Body means letting go of 3-D Body. Padre Pio's physical body could only be in one place, but his mental body could be in at least one other. All elements, including pre-elemental, are phenomena of tangible body, the 4th realm at the 1st quadralitic level. Thought is a phenomenon of tangible mind, the 3rd realm at the 1st quadralitic level. And no scientist has yet to see, measure or explain the energy involved in thought. Pull apart a brain and you'll see nerve impulses – the functioning involved in the process of thought – but not the thought. And forget about connecting the brain to any thought that occurs outside it.

Psychologists can talk about the collective unconscious, behaviorists about the *Hundred Monkey Theory*, but no laws of physics for either operation presently exist.

As far as "domain signature" is concerned, it is my own construct and includes scientific as well as musical considerations. We've defined the time signature in its numerator and denominator as pulse size and beat value. A beat is a fundamental unit of measurement in a piece of music. The numerator determines how often the downbeat, or the beginning of a measure, occurs. That is the pulse of the music. And while you can count the beats, you will feel the pulse. If the time signature is 3/4, 4 indicates that the value of one beat is a quarter note, 3 indicates that each measure contains three beats. Think of 3/4 as 3 (x) 1/4: number of beats times beat value. The value of a beat is always the speed of light for any dimensional domain. As per p. 831, let the speed of light rise in whole number multiples through the dimensional domains. Hence, the time-frame becomes equivalent to the domain number. So, time signature = time-frame (x) speed of light. The number of beats, i.e., the multiples of the speed of light, will provide the downbeat, the pulse of the domain. The time signature, though, accounts for only half of the domain signature, since a domain contains a value both for time-frames and for spatial dimensions. The domain signature becomes the spatial dimensions over the time-frames – or, space/time. This indicates the number of dimensions and multiples of the speed of light a domain must contain to achieve its required degrees of freedom.

The importance of proportion and scale in understanding domain evolution was first explored on p. 821. I noted a minimum number of dimensions and time-frames were required for a particular % of event-line rotation. That also corresponds to a % of event compaction, since the occurrence of both is inseparable. But as that event-line continues to rotate, there is a certain arc through which the time-frame remains the same while dimensions increase. The maximum dimensions before time-frames must also increase sets the numerator of the domain signature for all compaction within the arc. Every domain has a signature, but representing it as a fraction is only meant to be a way of indicating the relationship that required dimensions have with a given multiple of the speed of light, not as division. And as such it shouldn't be reduced to its LCD; i.e., 12 dimensions over 2 time-frames does not become 6, because, the relationship of each value needed for the other would be lost.

Given this, a proportional adjustment was mentioned on p. 831 as it was used in Figure E-D. "a" was described as allowing space and time augmentation to exist in relationship to one another. I questioned if "a" was a constant, or perhaps another function. That would be determined by the series of domain signatures arrived at from the progression of dimensional domains. Then, the reduction of the domain signatures to their LCD's would be appropriate, since, it is not the individual values for dimensions and time-frames within a domain we'd be concerned with but their collective relationship between domains. If the domain signatures all reduced to the same value, then "a" is constant; otherwise, it becomes its own function.

I will provide a few examples, but need to clarify something first. On p. 831 I said the domain boundaries in Figure E-D appeared as squares. To review, this is because the curves depicting dimensional evolution in the X-Y and X-Z planes must be the same, given they denote the unified augmentation of dimensions and time-frames originally upheld by the X-Y plane alone. The proportional adjustment "a" provides for this, and did so implicitly in Figures DA-C and DA-R. Only in this way could a single diagram be used for both space and time. Let's consider what happens if "a" is a constant value. Begin with tangibility, which we know has the domain signature of 3

dimensions over 1 time-frame. "a" is therefore 3. If we let the Y time-frames evolve in whole number multiples and apply our $Z = (a)Y$ formula, the series of domain signatures is 3/1, 6/2, 9/3, 12/4, etc. 3 is also the proportional adjustment made to the scale of the Z axis such that the domain boundaries remain square. But, now look at the series begun on p. 831: 3/1, 12/2, 27/3, 48/4, etc. "a" is then the series 3, 6, 9, 12, etc., or the function $a_{(D+1)} = a_{(D)} + 3$; the value of "a" for a given domain is the value of "a" for the previous domain plus 3. As a result, "a" now changes. Even so, adjusting the Z axis scale by this function maintains Figure E-D.

As to the reality of God's Mathematics, these examples have been provided to offer a glimpse. I'll present one more, a peek at harmonic truth. Suppose the series of domain signatures is instead 3/1, 9/2, 27/3, 81/4, etc. The equations on p. 830 become logarithmic: $Z_{(Y)} = (+/-)3^{(Y)}$. *Triunity* is then the *base* of dimension evolution. Compare that to *Duality*, the *base* of octave evolution, when seeking the frequency "f" of an octave "n" of a Fundamental "F": $f_{(n)} = 2^{(n-1)}F_{(n=1)}$! There would be a certain elegance in the beauty and precision through which Music and Mathematics thereby reflect the triune-vertical and quadralitic-horizontal principles of the 3x4 grid atop the *Four Pathways to Light and Truth*. Logarithms, unifiers of geometric and arithmetic progressions, transform the harmony of cyclic space into the melody of linear time! (Review *Music, Mathematics, and the Cycle of Fifths*, pp. 784 and 786, for an in-depth study of the Universe's logarithmic *Truth within the Movement*.)

There are a few other points worth clarifying before we move on. To begin, I've associated the word "signature" with three different concepts. Quantum signature is an established allusion to identity scientifically rooted in energy and matter. The other associations, though, are specific to my work. As explained on p. 843, time signature, music aside, indicates the multiples of light speed required for a certain dimensional existence. Domain signature is the identification for a dimensional domain based on its time signature as well as the number of accessible dimensions.

Secondly, speed is a phenomenon of dimensions. It was event extension that slowed Infinite Light to the light speed needed for 3-D. Event compaction then takes that process in reverse. Light is faster in the domain above tangibility since the 3-D distance is shorter. This is in principle similar to the cosmic phenomenon called the wormhole, bridges through space-time the potential existence of which scientists have speculated on from *general relativity*. The difference, therefore, is that the wormhole, especially as it has been incorporated into sci-fi scenarios, if stable would allow for the passage through 3-D materiality. Shows such as *Deep Space Nine* and *Stargate SG-1* have fed on scientific speculations that an advanced future civilization could figure out how to harness an exotic form of matter with negative energy and make a stable wormhole. But if that does ever occur, it would have to be as something founded in the truth of 3-D physics for macrocosmic matter, not just the microcosmic matter of quantum theory upon which these proposals seem to rely. For this reason I also don't think the phrase "Beam me up, Scotty" is one we're likely to hear. And as far as Warp Drive – the staple of sci-fi interstellar travel – my thumb is leaning toward down on that, as well. Current research seems to agree. A whole new kind of physics would be involved – what I'd prefer to consider, at least for now, as God's Mathematics.

The sci-fi aficionado might retort by saying "why not cut them some slack; let's keep looking for wormholes and stargates!" And I wonder if most people haven't at least one time daydreamed about teleportation or time travel, especially if they have a penchant for collecting. But how many really great things would be left to sell on E-bay if people from the future had been able to come back to get them?

I will grant this last comment as being somewhat tongue-in-cheek, but at times humor is the best way to make a point. And I understand Stephen Hawking used a similar argument against time travel for a while, though he may have since changed his mind. But I'm still inclined to go with my intuition on this, and not just because of the lack of evidence for time travel scavengers. The potential for far more deleterious repercussions as regards the altering of time lines is of much greater concern. I can't imagine how a traveler from the future would be able to interface with anything from the past without having at least some effect on it. And I'm also not an advocate of alternate 3-D realities resulting from parallel time lines. For instance, I don't think there is an alternate reality where a traveler from the future came back to kill Adolph Hitler and prevent the start of WWII. To say infinity would allow for it I believe is a misuse of the principle. There are occasions when the *Law of Order* upholds Finite in its balance with Infinite, and the role linear time has in tangibility is one of them.

To offer a vote of encouragement to those would-be space rangers, when I speak of needing a peek at God's Mathematics to travel to the stars, I don't mean to imply we'll never do so. As I was visiting colleges during my last year of high school, I had what you might call a *close encounter of the 1st kind*. On one return journey, while the sun was bright and the sky was clear, I peered out my window and saw in it three small yet distinct, shining objects. Unfortunately without a movie camera to mark the event, I stared as the bright spheres moved in a quick formation that defied anything I knew about air travel. Suddenly, they all darted off in one direction and disappeared. Now, exactly what I saw I can't affirm, but I think enough evidence has been collected from other sources to substantiate the UFO possibility. Still, the only reason I mention it in this essay is because of the obvious question it raises – how? Are aliens proficient in both interstellar and atmospheric travel with engines appearing to defy our known laws? As far as the aerial maneuvers I viewed were concerned, the means of propulsion had to be accountable in 3-D materiality, though certainly of a form we've yet to master. I remember wondering, when playing with gyroscopes and tops as a teen, if they could be used for space travel. There are dozens of patents devoted to the possibility from those who've dreamed likewise. Gyroscopes are integral to balance in our aircraft, but perhaps they have found ways to use rotating fly wheels to generate electromagnetic and anti-gravitational fields for propulsion and steering presently beyond our technical reach. Interstellar travel, though, is another matter. I sense the real journey of exploration for Humanity in the 21st century will be within the mind, and if God's Mathematics will ever be found it would have to be there. Once you enter multidimensionality, travel between stars may simply be driven by the collective thought of all those who are traveling! Consider what Padre Pio was able to do, and without any advanced alien technology. His mind didn't just travel randomly off into space, but to locations of his choosing where evidence of his journey could be gathered, either by others physically present or in his own accounts of their activities and surroundings. Of course, his physical body didn't travel, so, for an alien civilization to accomplish that means they have developed a way to transfer through multidimensionality in a physical form. But I am not talking about teleporters, warp drives or stargates, since all those things are trying to work within the constraints of 3-D physics. I am talking about the ability to generate a mental energy field that allows them to adjust their domain signature and move with the power of thought!

Have I simply let my own imagination get the better of me, or do you grasp the point I'm trying to make? It is in the mind where such ability resides! How is it possible? Warp Drive involves the creation of a bubble around which space-time could

be warped. But 3-D physics would require more energy to create one than the entire 3-D Universe may even have. (Multidimensional energy is as limitless as is God.) Rather than a *warp bubble*, instead think of being able to create a *domain bubble*, something that allows matter within it to resonate to multidimensional domain signatures. (This is not to be confused with magnetic *bubble domains*, explained on p. 774). That doesn't mean 3-D molecules have changed into multidimensional equivalents. Materiality there is different than here in our tangible range of values. But somehow 3-D materiality can move through it given the necessary technological advances. This would have to be in accord with a physics we don't yet understand, and which as depicted herein may have yet to be proposed. That's because this essay's multidimensional construct based on event-line rotation and compaction is unique to my work, at least on this planet. But if aliens and their spacecraft have visited us from regions of the Universe way beyond our own, and in a tangible 3-D form, then the technology to use God's Mathematics must be within the reach of God's creations. Remember, multidimensionality isn't just reserved for the angels and demons of triune harmonics, but the superstrings of dualistic harmonics. And within those dimensions the macrocosm, as well as microcosm, exists.

Will we ever achieve this? I believe so, though it is impossible to say when. Probably not for a very long time. And certainly not until we stop trying to make the square pegs of *Relativity* and *Quantum Mechanics*, themselves scientifically disparate, fit into the round hole of multidimensionality. However any aliens may have arrived here, scientists know they couldn't have done it relying on our kind of physics. To learn God's Mathematics we're going to have to go where that information is available, or at least prove ourselves worthy to receive it from those who already know.

So, it's not with a desire to inhibit the creativity of writers that I have addressed potential shortcomings in their stories' plots. I actually don't think they have gone far enough into the *realm of 21st century possibility*. What we need to travel there can't be found here, and we won't discover it until we leave this all behind – our attachment to 3-D physics as well as a tangible lifestyle rooted in physical acquisition rather than spiritual aspiration. You may say my proposals are even more ludicrous than theirs. Yet, while mine restrict space-time activities until we learn how to move beyond the laws of 3-D physics, there is much more right here they actually serve to account for where the mind is concerned. I just shared my thoughts on interstellar space travel and how the mind may be the propulsion and steering mechanism for it. But know that while event compaction allows for a greater linear distance to be traversed in a shorter amount of time, the physical body isn't moving outside the start and end time of the linear compaction. That is, you couldn't travel physically into the future or past beyond the linear event-line, only shorten the time it would take to travel a particular distance within it. Now consider that though bodily time travel may never be possible, mental time travel already is. And mystics throughout the ages have developed the clairvoyant ability to "see" within multi-dimensions. These are not charlatans who perform parlor tricks, but enlightened individuals who have attained that gift. So, the mind can take you beyond where your body, even in a *domain bubble*, can travel.

Whether or not you accept my theories is, of course, up to you. Granted, to offer a workable model for the existence of Heaven and Hell may push the limits of sanity. But if you've come along this far on my journey, chances are at least some of it is making sense to you. And much of the reason is, I feel, the comprehensiveness – not just in terms of explaining tangibility but all that lies beyond it – of the *System of Quadrality*. Let's now return to the part concerning the spiritual life in the thereafter.

All four *Pathways to Light and Truth* uphold some version of the afterlife at the 1st level, and thus some version of Redemption. Still, I think the energetic range of values isn't necessarily meant to differentiate the afterlife according to the different versions of Redemption, but to the different energies to which each version resonates. The paths to which followers align in the Spiritual Realm are akin to those energies of Soul, Heart, Mind and Strength to which they'd aligned in the Physical Realm. But any aspect of God you might encounter there would be that to which you aligned in your physical life through both intention and action. One's intention, the substance of worship, would establish the essence of the aligning path. But action, the form of worship, takes the common essences and links them to different personalities. My mother's friend met Jesus for her purification; a Muslim might encounter Mohammed. So, your action if you were a Christian would have been specifically directed at Jesus, but your intention would have more generally aligned with a common essence. Jesus upholds the path of the Heart, but all paths reflect each other. And if you had aligned to the essence of His Soul, you would have that afterlife experience; if it was to His Strength, you would have that. Were you a Buddhist who believed in a personality for Holy Being, you'd meet Buddha. But if you aligned to His Heart or Mind, such would be your experience, even though His is the path of the Soul. Those individuals whose action aligned with no personal form may not encounter one, but that doesn't mean love wouldn't still be their experience if that was their intention. A loving person would experience love regardless of whether or not a God-personality was involved.

Moreover, realize that when Jesus was referring to His Father's house as having many rooms, those could be considered different rooms on the same dimensional floor, or the same room on different dimensional floors. That is, from the perspective of multidimensionality, the movement can be within the energetic range of a particular dimension (horizontal), or the dimensional range of a particular energy (vertical). So, Heaven begins in the dimensional domain above ours, but it doesn't end there. It keeps going, as God does. Spiritual growth then takes on the potential to cross into higher dimensional domains, with the cognition you can reflect into whatever is lower, while anything yet higher can reflect into you. Of course, there is a point at which further elevation is restricted to God alone. That is the dimensional Veil between the 1st and 2nd quadralitic realms.

The rationale for horizontal and vertical dimensional movement exists in what scientists already speculate about superstrings. They are multidimensional entities that have an impact on the 3-D horizontal range of frequencies, yet, since they are larger than the Planck length, they may actually be residents of the domain where the time-frame = 1, i.e., the speed of light. And scientists do see them as upholding the tangible speed limit of light. They visualize strings (as noted in my first essay on multidimensionality) as having dimensions sort of wrap around on each other. In this way I feel I can be justified in saying they also apply in the next domain, since, aside from the number of dimensions involved, the end result of the faster speed of light curling through them could be the linear value applicable to the 1 time-frame. They would also then have indirect counterparts in the higher domains, as 3-D elements have in the multidimensional superstrings (and thus my earlier exclusion of *direct* equivalents.) Body would continue to exist in some form throughout them, moving further and further away from actuality and closer to potentiality as they do so.

Superstrings actually provide us a great way to understand how the transition between 3-D and multi-D occurs through the horizontal and vertical event-lines, which we can then apply in a similar manner to understanding that of spiritual entities. And

while I've focused on Heaven in this part of the discussion, as well as the personalities one might encounter there, the existence and parallel evolution of Hell must not be forgotten. All that applies to Heaven and the personifications of God similarly applies to Hell and the personifications of Satan. The forces of darkness to which we often align likewise exist in a myriad of forms within the four fundamental paths. And they will determine our afterlife experience if darkness is the direction in which our soul is heading. So, merely calling yourself a Christian is no guarantee Jesus is the one you get to live eternity with on the other side.

It may seem odd to be talking about superstrings and the soul's afterlife in the same breath, or in the same context. But realize that there are two fundamental forms of harmonic evolution, and the difference between *Duality* and *Triunity* allows for that. Nonetheless, as all things exist in interaction as well as separation, there is always some connection between the two in higher harmonics. We'll model this more specifically in *The Theory of Everything*. But for now, we've established how such multidimensional things as spiritually aligned Heaven and Hell can coexist with others such as physically aligned inertons and superstrings, and do so in the same way as Soul and Body in tangibility – through separation and interaction. For me a rather intriguing question then appears. How do Heaven and Hell, or the angels and demons that inhabit them, fit into the range of harmonic and frequency values? Are they themselves separate, as their states of being would seem to imply? And if so, how can they interact with us?

Let's begin by considering if they are separate, and then how they function given that truth. Often when people wish to refer to conditions of evil without placing a value judgment on the people involved, they'll call them negative energies. Others prefer low energies to identify things that don't serve our greatest good. To use such descriptions only has philosophic relevance, since a negative energy in the scientific sense is one that has a negative electric charge or magnetic moment. And a low energy could either mean a weak current, a small kinetic or potential value, or a slow frequency. None of those conditions can be considered inherently bad, let alone evil. What exactly does it mean to embody an evil energy? Clearly it must have some relevance, as would the embodiment of a good energy; or else, beliefs surrounding such principles as sin, karma, spiritual clouds or cosmic credits would have no energetic foundation for their acquisition, appraisal, or amelioration. What is that energy and how does it function? Are angels and demons fighting it out for the souls of Humanity on Earth, sort of like a spiritual Star Wars? And do they continue to do so in the life beyond?

These are heavy questions, and the only way we have a chance of finding the answer in truth is by staying away from metaphor and allegory as much as possible and relying on what the *System of Quadrality* has taught us about the interconnection of Realms and their respective energies. There are two modes of connection per event-line, linear and cyclic. The horizontal linear sees the Balancing Center as the point separating spiritual Intangibility from physical Tangibility, with those energies then expressed as a range of values from most spiritual-intangible to most physical-tangible. This reflects what each Root Realm has and does. We can apply that linear understanding to the vertical separation of 3-D tangibility from multidimensionality. 1st and 4th quadralitic realms uphold separation while the 2nd and 3rd realms provide for interaction. Anything requiring the ability to make the dimensional transition, whether angels and demons or inertons and superstrings, can thereby do so. With the horizontal cyclic connection, however, the Balancing Center becomes the finite

Physical Means between infinite Spiritual Extremes. I think this is the one that can best serve our modeling the vertical interaction of Good and Evil spiritual energies in the Physical Realm. In keeping with p. 448, these oppositional energies moving 180° out of phase from the Extremes would provide at the Means the breath of life through their pulsation. Given that both are necessary for this, we then get to choose with which energy to align. Hence, Heaven and Hell are separate in the Spiritual Realm, yet their aligning forces interact in the Physical Realm.

Earlier in this essay I broached an intriguing speculation, especially since the ability to transcend 3-D limitations appears to be inherent in our human potential. Back then I said I'd pursue what that potential might be. I've also noted the Veil is a phenomenon of the limitation of tangible energy to exist in higher dimensions, but the Veil could move to accommodate changes in that energy, with ramifications I'd also consider. And this ties into the point made in the previous essay on p. 813 – that the balance needed for *Dynamic Stability* may require more dimensions.

This discussion of Heaven and Hell is actually the perfect place to resolve all these issues. Return to the cyclic connection, the Physical Means of finite tangibility existing between the Spiritual Extremes of infinite multidimensionality, with each having positive and negative values. But think of the points of transition as the Veil. To reference the Veil as moving is not meant to imply the laws of tangibility are going to change. The speed of light isn't going to start getting faster, and we won't all of a sudden be able to see with 3-D eyes the fourth dimension (though our psychic vision may certainly expand). I am referring to a change in the ability of the dimensions on either side of the Veil to make the transition. That is, things in multidimensionality will play a greater and greater role in 3-D *Dynamic Stability*, and things in tangibility will find an increase in the need for *Harmonic Alignment* with the higher dimensions.

What would cause that, and what are the ramifications? As far as the cause, for physical frequencies it would mean the energy of the Universe, or at least our Solar System, is changing. I mentioned that possibility in the main text, p. 498, and it may imply higher dimensions will be required to stabilize it. Again, this might not be something 3-D materiality would even be aware of, and it could be, and probably is, already happening. However, as the energy changes, the impact on 3-D existence could become more and more apparent. For instance, imagine if the Sun started getting hotter. Forget about polar ice caps!! Could you or I live comfortably under such conditions? Not unless we suddenly became fish!

But what about spiritual frequencies? You may recall my statement on p. 643 that darkness was increasing to balance the increase in light, manifesting in an evil that would make Hitler blush. On p. 669 I related my warning to that effect given to a group of friends about 6 months prior to 9/11. Well, there is even more light now! As bad as melting ice caps would be, 3-D materiality might have much greater and more serious *human* problems to deal with in the near future.

For either the planet, or the human race inhabiting it, the solution may be in its ability to access the resources of the higher dimensions and possibly even move into them. I was recently reminded that Armageddon scenarios have existed since earliest recorder history. Perhaps the most famous is the *Book of Revelation* in the Christian *New Testament*. Part of its teaching is the idea that when the great tribulation finally came, Jesus would return to take away the faithful so they might be spared the agony of the ensuing devastation. There are several interpretations among Christian scholars as to how and when this process will transpire in relationship to the Day of Judgment. But I have said before that I believe the great spiritual teachings of this

planet, and particularly those of Christianity, were meant to convey truths in a relative sense for people not so theologically inclined. Consider what the *Book of Revelation* may be trying to tell anyone who understands the *System of Quadrality*. There might come a time when the only "body" habitable for a human being will be a mental one (or a greatly purified physical one), and only those who pursue leading a paradise-like life, as had the saints, sages and mystics from all paths, will be able to survive it. And it may be that those who choose to align with the darker forces, if they are made to let go of their bodies and move into multidimensionality, suddenly will come to know the truth of Hell as a spiritual experience, not just a physical one.

Placing morality vs. depravity in 3-dimensionality at the Means – between Light and Darkness, Good and Evil, or Heaven and Hell in multidimensionality – makes it easier to see how these oppositions could exist in the same event-line. But while morality and depravity have an awareness of each other, Heaven and Hell could coexist without such awareness. Recall that the fundamental oppositional components of tangibility are charge and magnetic moment, but these become in intangibility merely phase and spin. So, to grasp how Good and Evil may simply be frequencies out of phase, recall that the creation of the tangible Universe was modeled as two *Quadralitic Cubes* differing in phase and spin, upholding **Q** and **anti Q**. In the Physical Realm, rotation occurs in only one direction at a time, with one fundamental rotation for the entire Universe. The Spiritual Realm maintains both. In this way, from the physical harmonics of intangibility can come tangible positive and negative charges and magnetic moments. From the spiritual harmonics of intangibility can come their tangible manifestations as Good and Evil. Each *Cube* becomes, in a sense, a world governed by one side or the other of these oppositions. However, a range of values within them is still possible because, even though positive and negative phase and spin manifest in their own *Cubes*, there are still variations in values for either.

So, that would answer Heaven and Hell. But what about Purgatory? While it is still a controversial concept in Christianity, one point of theology separating Catholics from Protestants, let's consider its validity energetically. I mentioned in the main text (p. 225) that the Spiritual Realm is behaviorally Exclusionary from the perspective of True and False, since God can only act in a way that's true to Himself. Shades of gray become reserved for behavior in the Physical Realm, where there can be differences in perception. As noted on pp. 557-558, Purgatory, then, might be seen as the Means in the Physical Realm between Heaven and Hell as the Extremes in the Spiritual Realm. And Earth certainly does become the focal point for the battle in tangibility between Good and Evil. Modeling Purgatory in this way accommodates the cyclic connection recalled moments ago. But I also often said everything in the Physical Realm is a reflection of something in the Spiritual. Hence, Purgatory must exist there, perhaps to serve as the place where a soul, torn between Good and Evil in the physical world, must ultimately resolve the conflict to accept or reject God. This understanding allows for the linear range of values in the Spiritual Realm, in line with it as ideologically Relationable from the perspective of True and False (also p. 225). Then, the apparent paradox of the *Holy Trinity* – in which a spiritual truth can appear physically false – is removed. Yet, True and False are ideologically Exclusionary in the Physical Realm, since in God's eyes you are either upholding His Truth or you're not.

The answer to this riddle lies in recalling that the *Law of Order* mandates the Spiritual Realm being fundamentally triune, while the Physical Realm is fundamentally dualistic, even though the *Principle of Balance* requires both principles to exist in either realm. (This, or course, is a personal interpretation of the *Law of Order* based

on the *System of Quadrality*, and is in accord with the understanding that *Triunity* and *Quadrality*, and thus the *Duality* preceding it, uphold spiritual evolution vs. physical evolution.) To apply that, then, to our modeling the separation of Realms with **Q** and **anti Q** as *Quadralitic Cubes*, the center realm in *Triunity* is understood as being able to uphold the energetic nature of either side. Recalling this will become important in the final essay, *The Theory of Everything*. But here it makes us realize that even in the Spiritual Realm the two *Quadralitic Cubes* must coexist not just in separation but in interaction. So, Purgatory becomes the realm where the transition from Light to Darkness is made, and phase and spin can reverse. In other words, both *Quadralitic Cubes* must function there, and positive phase can balance with negative spin, negative phase with positive spin. And the *System of Quadrality* accounts for it with the *Hybrid Cube*, where the Extremes realms uphold separation and the Means realms uphold interaction. Thus, the rather unpleasant conditions some mystics have associated with spiritual purification in Purgatory could coexist with the clearly more benevolent out-of-body experience my mother's friend had in encountering Jesus. Moreover, the opportunity for spiritual purification to lead a soul from Darkness to Light is present. Heaven becomes the resting place for those who need no purification of that nature, Hell the holding cell for those who are beyond its benefit.

It may seem like I have digressed from the original purpose of this essay, which was to explore time in multidimensionality. But the reason for exploring it at all, and arriving at a workable construct for it, was so we could resolve any issues for which knowing that would be required. The scientific ramifications of our findings will well serve those seeking to grasp how *Harmonic Alignment* and *Dynamic Stability* created and continue to maintain our Physical Universe. But the real exploratory challenge for Humankind will be in understanding how they function in the Spiritual Universe.

In addition, I feel I've only scratched the surface of what existence in multi-dimensionality might be like. I've made my presentation from the perspective of the *1st level of Quadrality*, and have thus limited it to the four categories presented in [Figure S-O](#) and [P-O](#). But our next essay will reveal how important the *2nd level* is in providing the foundation for everything, and evolution continues on from there. So, my discussing forms of manifestation in multidimensionality not specifically related to afterlife or sub-quantum transitions should be of no concern. Among the possibilities you'd find the aforementioned sci-fi episode where a planet and its inhabitants took on a multidimensional existence. Some people might refer to such beings as alien, but I'd prefer to use that word as it's more often applied in the 3-D context – beings from other planets rather than other dimensional realms. Perhaps multi-dimensionals for these would be a better choice. And it may be that as the Veil between tangibility and multidimensionality shifts, their presence and participation will begin to play a role in the *Law of Universal Use*. It could already have begun, as some intuitive individuals seem to believe. But I must acknowledge, quite frankly, that being able to traverse the multidimensional Veil as we might some day need to do is not a gift I have yet to acquire. So all I've presented in this regard must be placed in that context.

Again, this shift doesn't mean the laws of physics surrounding tangible existence will change, only the ease with which the boundary between here and there can be traversed. And neither would the laws surrounding multidimensional existence change. Moreover, the entire next dimensional domain would not have to be open to us, only the part needed. As I noted earlier, you don't have to be at the maximum dimensions in a time-frame to operate within it, only just on the other side of the one you call home. So, if the next domain contains 9 or 12 dimensions, maybe what will

become open to us will be just one or two more. I was clear in my feelings that the structure for any domain would require an incremental leap in spatial dimensions greater than one. Superstrings, for instance, may need at least nine, and most, if not all, would come from the next. But who can say how many Heaven and Hell might require to **begin** in the first multidimensional domain. Regardless, if the Veil is indeed shifting, it will be doing so into everything now on the other side, from superstrings, to multi-dimensionals, to spiritual beings. It may also then from the Spiritual Realm bring here a greater interaction between the warriors of Good and Evil. Residents of this planet might have no option but to pick a side, if that option is even left to us all. It may for some mean living with the consequences of choices already made.

And so I've presented a case for a space-time in each dimensional domain, with laws for which each must live in accord. But in closing, let me say my purpose in these few essays has not been to offer answers to all the mysteries surrounding the workings of the multidimensionality of Space and Time. It's only been to concentrate on revealing new doors behind which we may continue searching for them, and to show how both spiritual and physical transitions can be represented through the same symbolic construct. In the Physical Realm we have established the existence of spiritual and physical realities only the latter of which we've had tangible experience. And we've distinguished between the two based on the harmonics they're rooted in, something we need to keep in mind as we ponder the possibilities for the same separation in higher dimensions. The harmonic nature must be considered if we want to justify the coexistence of heavenly realms with superstring fields. Also, we need to remove any preconceptions concerning how time works or is experienced on the other side of the Veil based on what our experience of it is here. Even on this side, Einstein has shown us how truly mysterious it can seem to be.

* * *

As mentioned in the introduction to the *Fourth Digital Edition*, revisions in these essays were made throughout the previous edition to complete it. The following addendum is among them, written, as I often have, to offer clarification on terms with multiple applications. Once again it involves cyclic and linear, but now as they reference event-lines vs. modes of connection.

I'll begin with a review of how they apply to event-lines. The horizontal-linear event-line refers to a series of events occurring one at a time. The vertical-cyclic event-line refers to all events occurring at the same time. Events specify space, i.e., what and where the *states of being* and *conditions of existence* under consideration are, as well as time, i.e., when and for how long these states and conditions occur.

Next, consider their relevance to modes of connection. These modes refer to the manner in which the subdivisions of any energetic range of values relate to one another through separation and interaction. This takes place through their order and alignment, and cyclic and linear reflect both. Though order and alignment apply to both time and space, order at the Root level reflects time, alignment reflects space. Cyclic order is concurrent; cyclic alignment is concentric. Linear order is consecutive; linear alignment is tangential. The way cyclic and linear apply in a quadrality to the *order of realms* and *alignment of gender* was well covered in the essay, *On Behavioral Reversal and the Rules of Quadrality*. But in this essay, as noted on p. 532, modes of connection also reflect energetic ranges of values such that the Means between Spiritual and Physical Extremes is considered consecutive and tangential, while the Physical Means within Spiritual Extremes is concurrent and concentric.

Cyclic and linear ranges of values apply in every dimensional domain. What changes are the dimensions and time-frames in which those ranges apply and thus the states and conditions possible. The first domain is the only one in which are found states and conditions that require the physical extremes of tangibility. The highest domain is the only one in which are found those that require the spiritual extremes of multidimensionality. Together they are the *extremes energies* for the complete range of values from multidimensionality to tangibility; they maintain separation. The spiritual extremes of tangibility and physical extremes of multidimensionality are the *means energies* for the complete range; they maintain interaction. Thus, the same principles of separation and interaction that maintain the horizontal-linear event-line within each domain, maintain the vertical-cyclic between domains.

There is a relationship between what I've referred to as connections and the event-lines on which they occur. Whenever a range of values upholds separation and interaction through cyclic or linear order or alignment, a connection is being implied. But all four variations exist on either event-line, since event-lines represent how the *conditions of existence* created by those variations occur through time and space. Still, each event-line upholds either the vertical-cyclic or horizontal-linear principle. The best example of this in the main text perhaps occurred when modeling the creation of the Universe through parallel and series circuits. The parallel connection was clearly a reference to the order and alignment of the Universe's energetic range, yet it was said to be occurring in the cyclic event-line. The series connection was said to be occurring in the linear event-line. Obviously, that connection was not referring to a relationship of space-time events evolving on the linear event-line – where “most spiritual” is at Zero Moment and “most physical” is at Infinity. Rather, it was speaking to the process that drove the creation of the linear event-line from the cyclic. On p. 471 I said the impetus was the microcosmic manifestation of time. The linear event-line becomes the manifestation of all the various *conditions of existence* as they play out in 3-D space-time, while the cyclic event-line provides for all the possibilities from multidimensional space-time at any linear space-time event.

That one of those ranges is itself multidimensionality vs. tangibility explains how those two different energetic realities exist in the context of one another. The horizontal-linear event-line of the first domain contains only that which is possible in it – the speeds and frequencies of 3 dimensions in the 1 time-frame. Any frequencies higher than that are considered multidimensional. Superstrings become particularly interesting to consider in this context because they are multidimensional and yet purportedly form the basis of all tangibility. And they do so vibrationally. So, whatever their vibrations may be in multidimensionality, they translate into all the vibrations of tangibility. The vertical-cyclic provides access to the strings of multidimensionality, and the speeds and frequencies of higher dimensions in faster time-frames. Separation implies they exist in a domain of their own, complete in its own range of values, while interaction implies a participation in 3-D and its range of values. Thus, somehow there is a correspondence between the 3-D range of frequencies from zero to 10^{23} hertz and wavelengths from almost nothing to infinity, and those phenomena in multidimensionality. And we can grasp how that occurs if we consider the basic wave equation with terms arranged as on p. 366: $\lambda=v/f$, with v – the velocity for a given medium – being constant. Granted, this equation has been derived based on 3-D observations. But in keeping with requirements scientists have set for the functionality of superstrings, I am claiming that whatever the wavelengths and frequencies may be in higher domains, they have to be able to translate into this

equation in tangibility. This transpires in the same way as I proposed the higher light speed of their domain translates into the light speed of 3-D: by curling through its dimensions. And as dimensions go to infinity, frequencies and wavelengths in those dimensions can still resolve to their equivalents as required in 3-D.

All I've said about dualistic superstrings in separation and interaction with 3-D physical existence applies to and can help us understand the triune soul in separation and interaction with spiritual existence. Once we accept the coexistence of spiritual and physical in every domain, soul becomes a phenomenon of higher domains where in separation it exists on its own as a range of values yet in interaction becomes the originating life force of all tangibility. And in its upper range on Earth, the highest being within human, soul can return to its domain home through what is often referred to as its afterlife. Hence, soul and superstrings work together as the spiritual and physical multidimensional substructure of tangibility.

Lastly, how does the range of values for a domain affect *conditions of existence* on the linear event-line? It does so through determining the options possible. These options concern space, the only variable, since the passage of time is constant, set by the speed of light in that domain. In the context of the constant passage of time, changing states and conditions can occur either through the inescapable processes of Nature, or through selection from available options whenever such a choice is possible. Natural processes include everything from the evolution since Zero Moment of the Universe to a single living thing growing old. Selection from options is an ability gained through higher levels of consciousness. For instance, how much of a say do two solar systems have in their colliding if that's the directive of natural law? But though natural law directs us to grow old, we have a say in the quality of our life as it transpires. Even so, realize, the variable exists in the context of the constant.

The following were referenced during the preparation of this essay:

- "Bilocation and the Odor of Sanctity," an excerpt from *Voice of Padre Pio*, November 1998, Friary of Our Lady of Grace, Italy. Reprinted and fully credited on the *Eternal Word Television Network* web site. <http://www.ewtn.com/padrepio/mystic/bilocation.htm>.
- "Characteristic Spectra," Microsoft® Encarta® 98 Encyclopedia. Microsoft Corporation 1993-1997.
- Edward Halerewicz, Jr., "Warp Drive Today Technical FAQ's," 22 Mar, 2003. http://members.tripod.com/da_theoretical1/warpFAQs.rtf.
- Edward L. Wright, "Space-Time Diagrams," 1996-2003. http://www.astro.ucla.edu/~wright/st_diags.htm.
- _____. "Relativity Tutorial," 1996-2003. <http://www.astro.ucla.edu/~wright/relatvty.htm>.
- John M. Zavisla, "How Special Relativity Works," © 1998-2004 HowStuffWorks, Inc. <http://science.howstuffworks.com/relativity.htm/printable>.
- "Meridian," *Star Trek: Deep Space Nine*, teleplay by Mark Gehred-O'Connell; story by Hilary Bader and Evan Carlos Somers. Paramount Pictures, 1994.
- Michio Kaku, "Is Time Travel Possible," *Stephen Hawking's Universe: Unsolved Mysteries*. n. d. <http://www.thirteen.org/hawking/mysteries/html/kaku1-4.html>.
- "Parallels," *Star Trek: The Next Generation*, written by Brannon Braga. Paramount Pictures, 1993.
- Stephen Hawking, "Wormholes," *Stephen Hawking's Universe: Strange Stuff Explained*. n. d. <http://www.thirteen.org/hawking/strange/html/wormhole.html>.