

THE HIGHER DIMENSIONS OF SPACE

FROM EINSTEIN TO JESUS

BY TIGRAN AIVAZIAN¹, 25th MARCH 2012.

CAN WE DEFINE SPACE AND TIME? Today we shall explore the relation of time and space and especially the aspect of space called *dimension*, as perceived by humans and other types of living beings.

The main difficulty of attempting to give the precise definition of the concept of space lies in the fact that space is not generally perceived in its wholeness by the human mind. In fact, the very notion of “concept” (any concept whatsoever, not just that of space), as we shall see later, restricts one to the first three dimensions of space characterized by the finite level of reality. Even Albert Einstein² “entirely shuns the vague word *space* and honestly acknowledges that he cannot form the slightest conception of it”.

Physics defines spacetime as a four-dimensional continuum of events, assigning four real numbers to each event, which describe where and when that event took place. The main value of this definition is in the suggested connection between time and space. However, what this definition lacks is even the slightest hint at the possibility that the apparent fact of the existence of three dimensions of space and of one dimension of time is entirely due to the limitation of our perception, when restricted to operating on the finite level of reality.

Having stated above the impossibility of defining space as a concept, as it requires raising the consciousness to a level four positions higher (why four will be clear later) than the level of concepts, we shall now focus our attention on time. Can time be defined without leaving the conceptual level of reality? The answer is, *Yes*. From the point of view of creature consciousness, time is a stream of events perceived sequentially. Time is also a label assigned to events in order to differentiate and refer to them in an unambiguous manner.

TIME AND MOTION. Time exists because of motion and because our minds are inherently

aware of sequentiality. We are capable of consciousnessing time even in the absence of motion, but the relationship of events to time only exists by virtue of motion in space.

It was always clear to the physicists that there exists a very fundamental link between the mystery of time and the riddle of motion. Indeed, when Einstein was attempting to reconcile the laws of propagation of light *in vacuo* with the principle of relativity (which culminated in the Special Theory of Relativity), he was faced with the following two choices:

1. Assume that we understand reasonably well what motion is (and therefore can easily manipulate superposition of motions from one moving frame of reference to the other), but that we are not so sure about the nature and properties of time (and space).
2. Assume that we can trust the common sense notions of time (e.g. the notion of absolute simultaneity), but that we really know nothing about the motion in space, i.e., that we cannot simply assume that a particle moves from point A to point B along a well-defined trajectory in space.

Einstein chose the first option. The subsequent development of Quantum Mechanics proved that we really know much less about the movement of material bodies in space than we usually think. This is especially obvious in the Feynman’s (path integral approach) and Wigner’s function (quasi-probability distribution) reformulation of Quantum Mechanics.

SEVEN DIMENSIONS OF SPACE. Jesus said that there are seven different conceptions of space as conditioned by time. These are:

1. One-dimensional space plus time.
2. Two-dimensional space plus time.
3. Three-dimensional space plus time.

¹You can contact the author at tigran@bibles.org.uk

²See Section III in A. Einstein, “Relativity: The Special & The General Theory”, London, 1920.

4. Four-dimensional space plus time.
5. Five-dimensional space plus time.
6. Six-dimensional space plus time.
7. Seven-dimensional space.

As we progress on our evolutionary path starting as the single-cell organisms and going through the animal, human and super-human stages of development, our concept and the quality of experience of space (and necessarily of time also) undergo enrichment according to the sequence given above.

SPACE PERCEPTION BY ANIMALS. At the current stage of mind development we clearly occupy the third level in this sequence, but are there beings who occupy the levels one and two?

The space of a higher animal (like a dog or a horse) is two-dimensional. Our third space dimension it perceives as time. To see how this can be so we have to imagine how these animals see the world. We are able to do this because, as far as the physical organs of visual perception (eyes) are concerned, we have exactly the same endowment as a higher animal. Our eyes present the same flat (two-dimensional) images of the environment as do the eyes of the animal. Animals, however, cannot form concepts. That this is indeed the case we may infer from the absence of speech capacity in animals. It should be clear that the development of speech capacity (i.e. the ability to attach a symbolic label to a group of similar percepts corresponding to a single concept) is exactly the same as the attainment of the level of consciousness with access to concept manipulation. Therefore, even though a dog can perceive two dimensions of a solid object directly, it cannot mentally attach the labels “width” and “height” to them (and retain them in memory) in order to cognize the third dimension as “depth”. As soon as the animal attempts to perform such “measurement” in the third dimension, the other two dimensions are merged into one and it is left again with only two dimensions. In other words, the higher animals are conscious only of what they perceive, not more. This, as it turns out, is an important pre-requisite requirement for the endowment of personality. Although this fact is not strictly related to the issue of space and time

relation, it is sufficiently important to repeat — a living being is endowed with personality (by God the Father) *only* if it is capable of raising its consciousness at least one level higher than what it directly obtains by way of perceptions.

Returning back to the question of space perception, it is also possible to theorize on the way the lower animals (like worms) perceive space, but this can be done with much less certainty due to the greater remoteness of such a low level of consciousness from ours. It would seem that the lower animals perceive space as one-dimensional, i.e. stand on the first stage of our seven-level space perception ladder. Indeed, such animals feel heat, cold, light, hunger and instinctively strive away from pain and toward pleasure. This mode of existence is based on sensations alone, i.e. movement on a single line according to the pleasure-pain factor. The second and third dimensions of our space would appear as coming out of time to such a being.

Thus we may conclude that living on the levels of sensations and perceptions corresponds to one- and two-dimensional space awareness. Raising a conscious mind to the level of conceptual manipulations brings in the awareness of space in three dimensions. What, then, is the next logical step? In other words, how does one enlarge the consciousness to grasp space in four dimensions? Clearly, we need to go from the level of concepts to something even higher and, by analogy, this “something” ought to be above the concepts in the same way as the concepts rise above the level of mere percepts. I suggest that this “something” is to be found in the domain of *intuition*. By understanding, therefore, and properly cultivating our “sense of intuition” we may arrive at the awareness of space in four dimensions, i.e. begin to perceive time spatially. The usual linear sequence of temporal events will then be replaced by the realization of their perfectly cyclical wholeness and circular simultaneity.

The above recommendation concerning “cultivating intuition” is over-simplified and somewhat “one-dimensional”. Yes, enhancing intuition will surely enlarge the cosmic consciousness and will get you into the four- and even five-dimensional realms. However, after two or three such experiences your will most likely get a

heart attack or brain damage or other such harmful effect on your health. Therefore, it should be understood from the beginning that the attainment of cosmic consciousness and enrichment of personality function by contact with super-finite levels of reality in practice entails several factors, not mere intuition. First of all, the sense of purpose should become solidified into perfection and that purpose should be: **TO DO THE WILL OF THE FATHER IN HEAVEN.** Penetrating higher worlds with any purpose other than this is very dangerous and will surely lead to psychological ruin, physical death and ultimately even the extinction of personality. Second, your control over emotions should be as hard as steel, because the world of new perceptions appears as a “world of wonders” to our untrained mind. The reason for this is simple: the logic of this world is of no use in that world. Therefore, everything that is happening there appears “illogical” to those who can only recognize as logical the physically perceivable phenomena. Only the internal beauty and self-consistence of the “other world” prevents one from treating it as sheer madness, but the emotional overload may still be too much for such unprepared personality. In summary, the three key ingredients for the harmonious development of the ability of transcending time are:

1. Perfection of purpose motivation: *Lo, I come to do thy will, O God.*
2. Intuition to grow enough to completely replace conceptual reasoning (this is tantamount to leaving the care of the seven adjutant mind-spirits and functioning under the direct influence of the Cosmic Mind of this local universe).
3. Self-control and reign over emotions: *Before the eyes can see, they must be incapable of tears. Before the ear can hear, it must have lost its sensitiveness.*

Reading good science fiction, studying mathematics, theoretical physics, metaphysics, ancient mysteries and wisdom are all conducive, in my opinion, to the development of imagination and intuition in a healthy and safe way. I will not point out the unhealthy or unsafe ways here, because my policy has always been the same as that of my Lord and Master: *I refuse to advertise evil.*

HIGHER SPACE AND SPIRITUAL GROWTH.

It is interesting to consider whether the perception of higher dimensions of space has any connection to the spiritual development, i.e. to *love*. Some teachers say that it does; for example, the apostle Paul writes in *Ephesians 3:17–18*:

That Christ may dwell in your hearts by faith; that ye, being rooted and grounded in love, May be able to comprehend with all the angels what is the breadth, and length, and depth, and height.

Clearly, Paul associates the comprehension of four-dimensional space on the level of “all the angels” with faith and with being “rooted and grounded in love”. Also, we must not forget the ancient maxim: *Your voice will only then be heard in the presence of the gods, when your words lose the ability to wound.* Our words only then lose “the ability to wound” when we are conscious of the unity of all creation of God and permeated by the same kind (if not the same degree) of love to every creature that God the Father himself has for it. On the other hand, there are teachers who affirm that dimensional levels and spiritual levels are not co-ordinated in experiential personality realization.

It was always my opinion that spiritual growth should be of primary consideration, i.e., the attainment and acceptance of the fundamental universal fact that *love* (and nothing else) is the foundation of existence. However, in the actual experience of unselfish service (i.e. the *love applied*), I perceived that regardless of the sincerity and depth of one’s loving dedication to the service of his fellows, a teacher of truth must also possess a certain kind of sublime tranquility of mind which is only accessible to those who transcended time and live in the eternal now, no longer having anything to “prove to the world”, but graciously pouring their whole beings out as a free gift to all. This can only be attained only by seeing the eternal destiny as if it was visible in the present.

SPACE AND PERSONALITY DIMENSIONS.

These seven levels of space perception map directly to the seven potential levels of mortal personality performance.

The one-, two- and three-dimensional levels of space perception are tied to the finite level of reality. The ultimate (for our type of creature personality), seven-dimensional perception of space requires functioning on the absolute level of reality, at least through the sub-infinite penetration thereof³. Each of the remaining three levels, i.e. four-, five- and six-dimensional space perception is attained on the level of reality intermediate between the absolute and the finite. Naturally, there is no matching concept and therefore no word in any of the existing human languages corresponding to this level of reality. We can, however, by combining the first few letters of the word “absolute” and the last letters of the word “finite”, make up a new word “absonite” in order to attach a label (necessarily pseudo-conceptual or “intuitive”) to this level of reality.

MIND, SPIRIT AND PERSONALITY TIME. It is well known, that there are three different types of time cognizance:

1. Mind sense of time.
2. Spirit sense of time.
3. Personality sense of time.

The mind is inherently conscious of sequence, motion in space and process duration. The spirit is aware of progress towards increasing levels of divinity. The personality, representing a deified level of reality, *creates* its own unique sense of time out of the insight into reality and the presence (both the fact and duration) of other personalities. The divine insight of personality into reality is due to the fact of personality’s direct bestowal by the Father who is also the first source and maintainer of the total Reality.

It is very tempting to map the above three senses of time to the levels of fourth, fifth and sixth dimensions. However, I believe that such identification would be erroneous, because all three senses of time seem to function on each of the higher space dimensions, except perhaps the final seventh dimension which discloses the *fact* of personality.

THE FOURTH AND FIFTH DIMENSIONS IN PHYSICS. It is truly remarkable that despite all

the misunderstandings of time and space in Einstein’s Special Theory of Relativity, the actual structure of space-time was determined correctly in the mathematical sense. However, what was labelled in Einstein’s theory as “time” is actually two separate objects. The *coordinate time* t measured by the observer at rest corresponds to the fourth dimension of space in the present scheme, whereas the *proper time* τ measured by the moving observer corresponds to the *fifth* dimension. The illusion of these two separate dimensions being one arises due to the fact that in the absence of motion in space they do collapse into one, i.e. are perceived as a normal time. However, if the observer begins to move, then the measurements of time by his watch report the value of the coordinate in the fifth dimension which runs slower than in the fourth dimension, according to the well-known formula:

$$\frac{d\tau}{dt} = \sqrt{1 - \frac{v^2}{c^2}}$$

In the absence of motion in space $v = 0$ and $\Delta\tau = \Delta t$, as expected. Here I may sound very pedantic by saying “motion in space”, rather than simply “motion”, but there is a fundamental reason for doing so — in the five-dimensional realm there are motions in hyper-planes other than our “usual three-dimensional space” and therefore one has to be careful about what kind of “motion” is described. For example, acceleration of a massive particle to the speed of light and beyond (e.g. as performed by the transport seraphim) involves rotation in the (τ, t) -plane with the final movement aligned orthogonally to the τ -direction axis. This is a movement too, but certainly not the kind of “purely spatial movement” known to the current physics as such. It is only in the sense of “purely spatial movement” that it is impossible (as the Special Theory of Relativity states) to accelerate a massive particle to the velocity higher than that of light *in vacuo*. In the five-dimensional model the restriction no longer holds as the concept of “movement” is appropriately expanded.

The four-dimensional metric interval which

³The infinite penetration of the absolute level is hardly attainable by the beings of our class, except perhaps in the future eternity when we attain a state of co-absolute eternal being with the Father: *You shall see the light, but you cannot touch the Flame.*

is normally written as:

$$ds^2 = c^2 dt^2 - dx^2 - dy^2 - dz^2 = c^2 d\tau^2$$

is replaced by the five-dimensional form:

$$d\sigma^2 = c^2 dt^2 - c^2 d\tau^2 - dx^2 - dy^2 - dz^2$$

When one writes out the full five-dimensional equations of motion of a particle (i.e. geodesic equations) and projects them to the “ordinary” four-dimensional spacetime it turns out that in order to satisfy the Correspondence Principle one has to postulate that the fifth dimension

is nothing other than the well-known “proper time” τ and the corresponding momentum is the “proper mass” m of the particle:

$$x^\mu = (t, x, y, z, \tau)$$

$$p_\mu = (E, p_x, p_y, p_z, m)$$

This, then is the physical meaning of the fourth and fifth dimensions: coordinate time and proper time.

The physical meaning of the sixth dimension of space is still being investigated.