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Posted Date: 19 May 2025

doi: 10.20944/preprints202403.0289.v30

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Article

Gravity and Riemann Hypothesis

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Abstract: Inspired by the author 's Riemann hypothesis, this paper attempts to solve the contradiction between general relativity and quantum mechanics in physics. Under the guidance of Euler identity, two important ideas of collision and vibration are introduced. It is concluded that quantum mechanics cannot describe gravity because gravity cannot constitute this dimension of substance. The document deeply discusses the relationship between substance dimension and energy, including the stability and change of dimension, the relationship between energy and substance, and the relationship between time and dimension. Through detailed assumptions and explanations, this paper provides a new perspective for us to understand the complexity of the substance world. It mainly introduces how different dimensions of substance interact, the generation and transformation of energy, and the influence of dimensional changes on substance. The following is a summary of the core content of the paper: the influence of substance dimension and energy, the change of dimension, the stability and change of dimension, the relationship between gravitation and substance, time and dimension, and the realization of dimension change.

Keywords: gravitation; Riemann hypothesis; Euler 's identity; collision; vibration

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1. Introduction: Research direction of gravity

It is easy to recall the geometric structure of general relativity when discussing gravity. Relativity interprets gravity as the result of space bending (four-dimensional space-time). That is to say, the essence of gravity is the change of time and space, and quantum theory attributes all energy to quantum substanceization. First of all, we should know that gravity and other substance should belong to energy. The composition of energy requires space and time, while the composition of substance also requires opposite collisions to form symmetry. If we assume that gravity is also a substance, then we can understand that the two theories can be unified. Then think about why it is so difficult. I adhere to the broad concept of relative time and space, and also insist that gravity is indeed an energy or force. I think solving this problem requires finding a theory that can accommodate both ideas **(but the final conclusion is that gravity isn 't substance or can 't form symmetry, or it just contains positive energy).**

2. Shape of Space

According to Einstein 's theory, energy can distort space [1]. In the process of spatial distortion, a bending velocity change is formed. The change in velocity leads to the change in time, so there is four dimensional space-time.

Thinking process one : speed changes the motion space, then whether the quantum has its own space can balance the changed motion space. Self-space is an unfamiliar concept.

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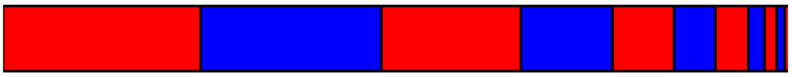

Figure 1. Space shape.

Thinking process 2 : Two clocks with different speeds will deviate under observation. It seems that time is affected by speed, but I think it is speed that changes space, and space changes time (that is, the reason for the generation of time is the change of the speed of space transmission within itself). If substance has its own space, then there will be a special situation, so that the substance produces its own time. This situation must occur within its own space and is related to the length of its own space. Two kinds of spaces are introduced : one is the compressed space, and the other is the stretched space (for this reason, I will use the physical meaning of Euler 's identity to illustrate). Because I'm talking about motion starting from point particles, so the compressed and stretched spaces are intertwined. These two forms of energy constitute the three-dimensional properties of substance : **positive energy and negative energy.**

3. The Constant Speed of Light Brings Us Ideas

Thinking Process 3 : As the special theory of relativity says, the constancy of the speed of light means that no substance how fast the observer moves, the speed of light measured by the observer remains unchanged. We previously mentioned that space is composed of positive and negative energy, **so photons may have the same positive and negative energy at the same time.** But why photons can 't produce new collisions and time stops?

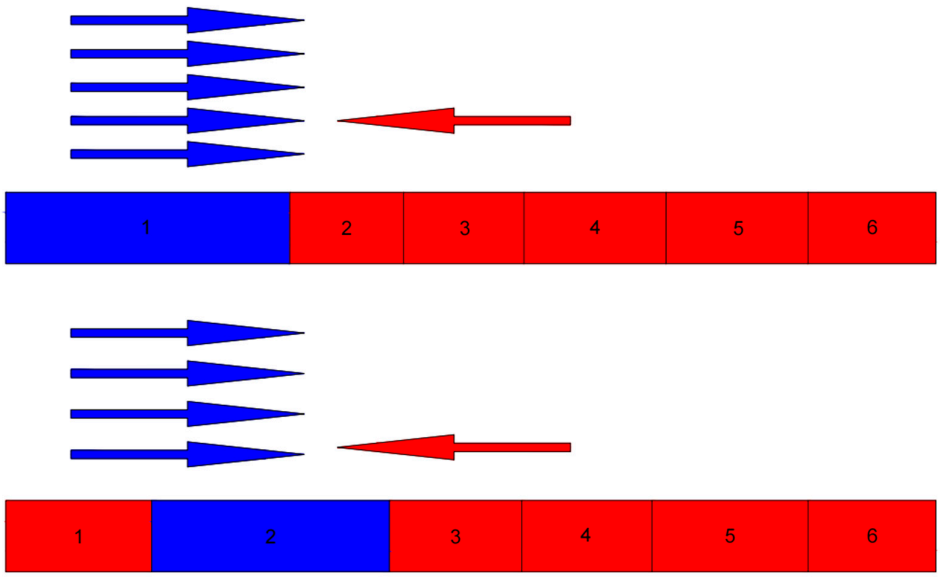

Figure 2. The process of spatial shape change.

According to De Broglie 's theory, moving objects produce phase waves. However, these phase waves can reach faster speeds than light. If the phase velocity only represents the wave velocity, is it possible that this wave velocity is the speed of other dimensions? so we speculate that the dimension of substance change is closely related to the phase wave. I define this speed as the speed of

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dimensional equilibrium, or the speed at which high dimensional energy affects low dimensional matter. Let's assume that the phase velocity of the wave is related to the dimensionally balanced velocity, and that the wavelength is related to the dimension at this time.

The velocity represents the spatial variation in the transmission velocity（The space here refers to the space of itself）. In the overall space, the shape of space is constantly changing. Throughout this process, the spatial variation can still be transmitted at a speed of c*2. Therefore, in the c*2 inference process, a moving object is constantly transmitting a deceleration signal v into space. Due to the constant changes in space, this value decreases to c*2/v. **These contents are just a thought process and are not rigorous.**

$\frac{c^2}{v}$×v=Spatial transfer velocity（Assume that own space can be shared）

The speed of photons moving in any space is equal to the speed of photons transmitting in space. Photons always move in a constant space. Once the speed of photons is greater than the speed of space transmission, the speed of photons will slow down, so that the speed of photons is at most equal to the speed of space transmission. That is to say, for a dimension, the maximum speed can only be the speed of light. This also means that if a substance is moving at the speed of light, if it doesn 't stop moving, then its own space may be close to infinity (it can 't generate new dimensions). For the speed of light or space transmission speed, this quantitative may be related to a certain energy and does not have physical significance.

$$v < \frac{c^2}{v}$$

Energy is not limited by volume. On the contrary, it can be understood as a collision point, which creates a spatial configuration . The energy body vibrates continuously in a small range, forming a unit space size . Around this point, the force unfolds the space one by one（There is also a large overall space before there is no vibration.） The stretched space is negative energy, but this stretched space seems to be smaller than the compressed space. This leads to an overall display of attraction in one dimension. There may be an additional energy : zero collision.

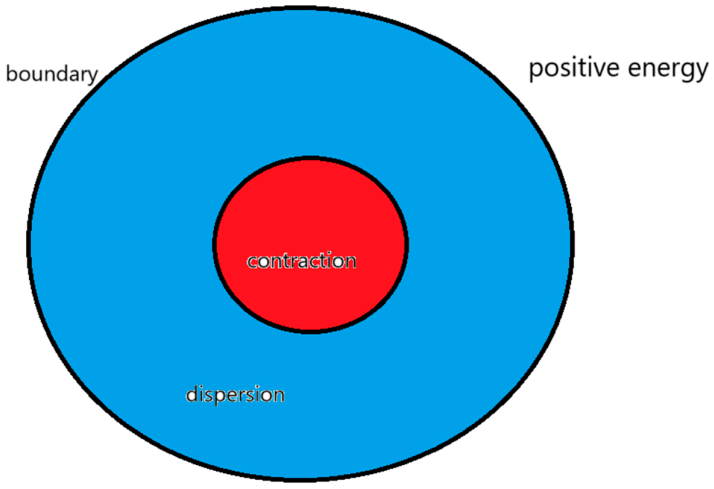

Figure 3. The positive energy is the central repulsive force, and the surrounding gravitational force is negatively charged.

4. Positive and Negative

There are two conclusions : positive and negative. Thinking process 4 : Energy can be divided into positive energy, negative energy and massless energy. The negative energy is also affected by the acceleration of gravity. When it enters the gravity field, the greater the difference in the direction

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of gravity, the greater the difference. Therefore, the gravitational field of space will be more compressed, thus accelerating this process. This acceleration has the same order of magnitude as the positive energy.

The key to expansion is zero energy, which is progressive in dimension (energy quantity). The essence is that although the negative energy has been increasing, with the increase of zero energy (new dimension energy), the substance will still expand. So for a rising dimension of the substance, is always more positive energy. As the dimension increases, the negative energy will be infinitely close to the positive energy until the gap between the positive energy and the negative energy is opened again after entering the next dimension. **The energy of the next dimension can only be zero to achieve this effect.**

In order to prevent misunderstanding : here Figure 4 is relative, negative energy is only relative to positive energy as shown in Figure 4. However, when the positive and negative energy are equal, the integer dimension has been reached, and the next vibration direction is still positive. So the negative energy for the universe is actually positive energy like Figure 3. **The higher dimension in the dimension balance is naturally understood as negative energy, but the essence is that the positive energy is greater than the negative energy, which will be explained later.**

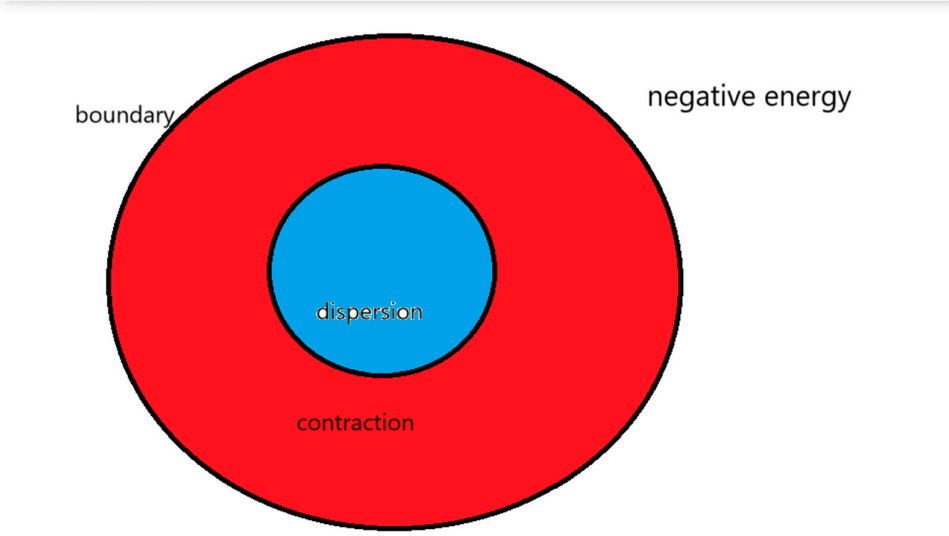

Figure 4. Negative energy is the repulsive force around the central attraction and is positively charged.

5. Explain Why the Superposition State is Generated Without Changing the Dimension

The original idea: Explore whether the incident angle has an effect on the particle entering the slit : Since the slit is similar to the wall, it will affect the collision inside the energy (the specific reason needs to be understood later). Once the collision inside the energy is affected, the energy will increase or decrease the dimension. The specific dimension or dimension reduction needs to take into account the incident angle and the collision direction within the energy (three-dimensional four-dimensional needs about countless collision directions).

We cannot see the process of particle or material wave function collapse in the observation experiment, because the wave function collapse does not change the material dimension, but the direction of vibration. But the quantum is different, the quantum dimension is smaller. It is easier for us to form a dimensional balance, or observation behavior can produce collision residual energy. (Collision residual energy will be explained later)

Final conclusion: Slits promote destroy dimensional balance between particles. However, for quantum particles, the low-dimensional collision residual energy disrupts the dimensional balance

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within the particles themselves. Yet, when quantum particles emerge from the slit, they will re-establish dimensional balance. If multiple quantum particles enter and exit the slit simultaneously, it promotes dimensional balance among them. It's like breaking down two wholes and then building a whole again. A slit can be understood as a low dimensional collision residual energy.

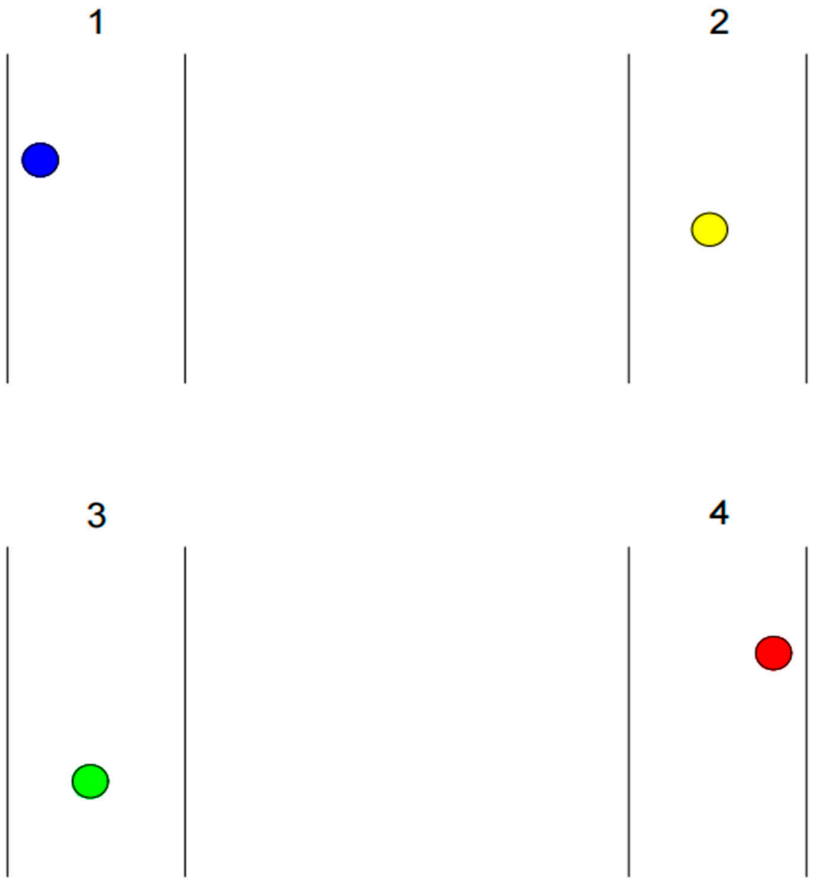

Figure 5. Two-slit interference experiment.

6. Observers and Randomness

In the case of a slight deviation in the exact position of the particles entering the slit, the space around the particles will change significantly**(So does the particle have its own space)**. Similar to the intersection of electromagnetic fields, an asymmetric space is formed. Different incident positions will lead to different staggered spacing. Different staggered spacing can produce different positive and negative poles. The positive and negative poles determine the dimension change, and the dimension determines the substance form. **Suppose that the particles entering the slit will lead to dimensionality reduction, and will the dimension rise quickly when coming out of the slit ? (The superposition state is not a substance form, and the particle state and the wave state may exist at the same time for a substance, this represents the ability of quantum to rise or fall in dimension.)**

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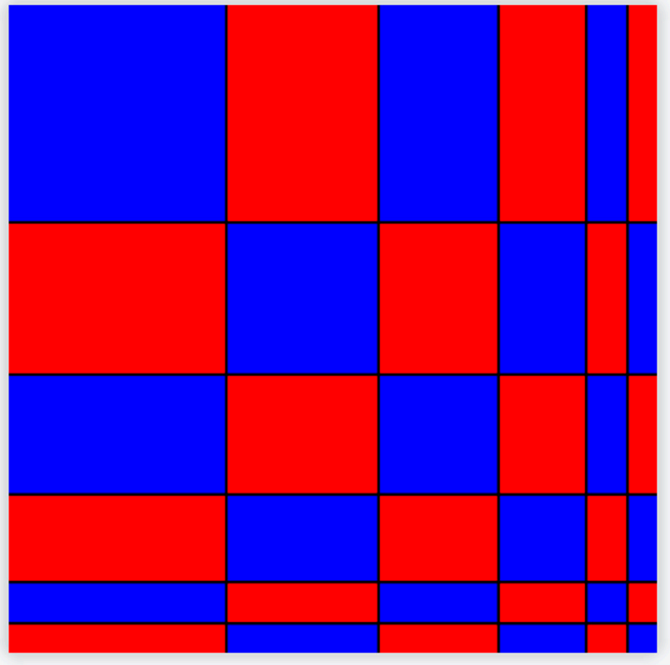

Figure 6. The space formed by the intersection of magnetic and electric fields.

If the form of substance is related to the dimensionality, the original dimensionality of substance will change slightly after entering the slit, and the change is the non-integer dimensionality behind.

At this time, the total dimension of the object only changes slightly, which can be regarded as the dimension unchanged. But why there is randomness or wave-particle duality or superposition state or path integral. Because there is a dimensional balance (partial dimension increase and partial dimension reduction) within the substance, but the total substance has only one result at this time. **And the dimensions control each other and have infinite dimensions. The infinite dimensions here may not be a specific number. Instead, they represent an endless cycle, as the zero-dimensional point, after ascending to infinite dimensions, although it is equivalent to zero-dimensional, can still generate new collisions. This effect will not cease (temporarily disregarding the existence of other universes).** Observing this behavior is similar to helping two substances become a whole, 1 If there is no observation behavior (interaction), these two energies can be considered as two separate wholes. 2 But as long as the mutual influence of the two energy will become a substance, that is, into a small whole. But the process of 2 is very slow, but it can be considered to promote the balance of dimensions. 1 is to prevent the dimension balance, only with the help of a larger overall dimension balance. Dimension balance is very important. The following will be introduced. And the dimension balance and topology also have a great relationship. If there is no dimension balance, the positive and negative energy will be completely distinguished. For example, another person who comes face to face will not be embarrassed if he does not observe. As long as one of them observes another person, the observed person will be unconsciously uncomfortable. It means that the impact is mutual, not one-way. Hereafter, the generation of topology will be introduced in detail. **At the same time, it also seems to prove that human beings are more likely toreceive collision residual energy than ordinary matter.**

7. Guess the Black Hole

Each photon occupies a discrete spatial unit, and the dimension of the photon is very close to the integer dimension. Black holes can be considered as precursors of substance **(Integer dimensional matter in other dimensions).** Another uncertain special celestial body, the white hole, is difficult to exist and has completely negative energy, or true negative energy (the negative energy mentioned

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above is a relative concept), and this material is not completely impossible to exist. The ' big bang ' mentioned below may be due to the dimensional balance with other universes, **so white holes may also exist in other universes.**

Assuming photons are integer-dimensional matter, then photons should be integer four-dimensional matter (not yet reaching the fourth dimension). Electromagnetic waves or the fundamental particles that generate electromagnetic forces are three-dimensional to four-dimensional matter (forming matter). Dark matter can be understood as one-dimensional and two-dimensional integer matter. Dark energy is all the residual energy from collisions below three dimensions (not forming matter, which can be understood as "pure negative energy" in relativity, leading to high-dimensional reduction). Zero-dimensional points are zero-dimensional matter (which can also be understood as dark matter). Galaxy clusters are from zero to one-dimensional matter (forming matter). The "fibers" of the "Laniakea Supercluster" are one-dimensional to two-dimensional matter (forming matter). Galaxies like the Milky Way are from two-dimensional to three-dimensional matter (forming matter), and black holes are integer three-dimensional matter（not yet reaching the third dimension）. In string theory, strings（The vibration mode of the node is the basic unit）are four-dimensional to five-dimensional matter (forming matter), closed strings are integer five-dimensional matter（In fact, gravitons are just a hypothesis and do not actually exist, as gravity is composed of countless fundamental particles. Different environments with stronger or weaker gravitational forces contain different fundamental particles. Gravitons represent "the most weakly interacting fundamental particle," and only closed strings can describe this smallest unit. In essence, gravitons are akin to photons in the three-dimensional world, being the ultimate product of the four-dimensional world. When all four-dimensional matter ascends to five-dimensional matter, all open strings will become closed strings. However, this process is much more complex than in the three-dimensional world. Therefore, while gravity can be described by a fundamental particle, this is not entirely accurate.）, and membranes are the residual energy from collisions across higher dimensions (not yet forming matter or serving as a background space). Later explained why string theory could unify other matter. Here I assume that the string is easier to understand as a vibration mode of the string. Because the string does not represent four-dimensional to five-dimensional matter, but many kinds of vibration modes of the string. So the essence is not the string, but the vibration mode of each node of the string, but for ease of understanding I describe it as the string. These are part of my final conclusion, but I put them first for ease of understanding.

White hole I think can not be considered, because at present the universe does not exist pure negative energy material. Or matter with negative energy greater than positive energy. If it exists, it cannot exist stably for a long time. Unless there are other universes that have dimensional equilibrium with our universe, this would make the problem much more complicated. And we don't have an overall dimensional reduction process in our universe, so we can ignore that.

8. Collisions Produce

There is only one possibility for the production and opposition of positive and negative energy. Before the beginning of time, There is a zero-dimensional point in each unit space, and there are nearly infinite zero-dimensional points in the universe. But the universe must have boundaries (friction). This may seem paradoxical, but this friction must exist. That is to say, there was an internal dimension difference in the universe before the Big Bang. This makes me feel that the universe is in a constant cycle. There is no specific beginning or end, and there is no specific size (a zero-dimensional point can be another universe), so I choose not to consider this situation for now.

It is assumed that the universe begins at infinitely many zero-dimensional points in an infinite dimensional space(The infinite dimensional space here refers to the number of vibration directions of a whole.). The universe began as a single point of sudden vibration. Since the surrounding point is stationary, the vibration point will collide with the surrounding point elastically, causing the vibration of the surrounding point and propagating the collision to the surrounding point. As a result of these collisions, the central point and the surrounding points form the same collision frequency (

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Suppose the universe has boundaries). As the collision continues, the first momentum will disperse. Until the total momentum in one direction is zero（Or it can't be transmitted）, but there will still be a weak residual energy that can be gathered again to one of the points (which is already the point on one-dimensional substance). New vibrations occur (in different directions). Until the new dimension is generated again, but the new collision energy is very weak, so the higher the dimension, the smaller the substance（Integer dimensional matter）.

9. The Necessity of Mathematics

When the center point suddenly vibrates, there will be a positive direction. Suppose that a square (or any other figure) is filled with countless points, without any gaps. When the center point vibrates, the resulting collision will propagate around. Because the collision is certainly not infinite, it will stop after the energy reaches zero or a closed loop is generated. But the remaining energy will collide again to produce a higher dimension（New directions）. After a certain period of time, the vibration mode evolves,, which drives the vibration of the surrounding points. There are countless points in the surrounding space, similar to walls, allowing for fully elastic collisions. The unit space can also be the space formed after the collision is stable, but the universe must be filled with countless zero-dimensional points on average at the beginning. After a point vibrates back and forth, it shows two very different trends : forward movement and backward movement. Both trends are multiples of π Figure 7. And the two trends are the vibration of a substance. The collision of two directions can produce two ways of dimension change, one is to promote dimension change, and the other is to prevent dimension change. **Due to the decrease of momentum consumption and collision frequency, the positive vibration is greater than the negative vibration.**

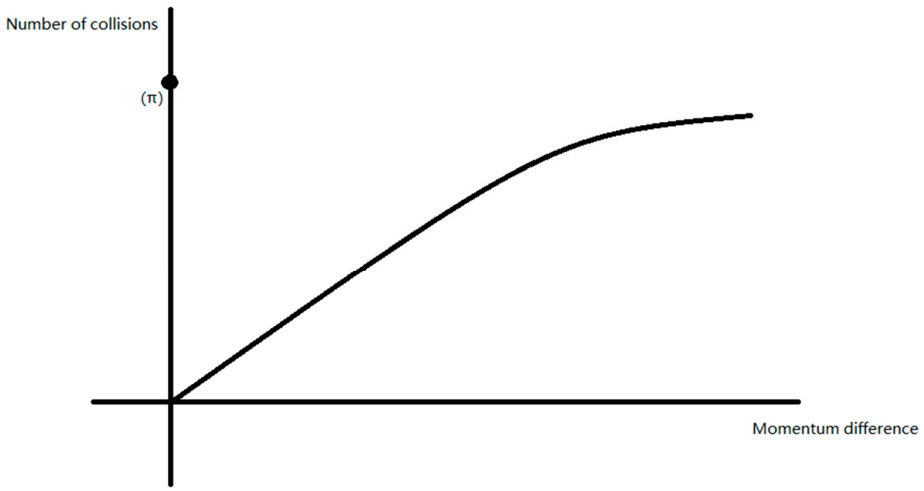

Figure 7. When two objects of the same mass collide, the greater the difference in momentum is, the closer the number of collisions is to the π.

10. Conjecture

The substance is controlled by stratification, in which the point vibrates into a line, the line vibrates into a plane, the plane vibrates into a ball, and so on. Of course it's not that simple.

This is just the prototype of thinking. First, we need to determine whether the perspective of thinking is correct. For example:According to Figure 8, when we sing, imagine that our voice will become a sharp treble when we tighten to a point. Imagine that when we get big enough, our voice

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becomes a steady, sustained bass. I can feel that this is a more correct way of thinking. Then continue to solve the problem.

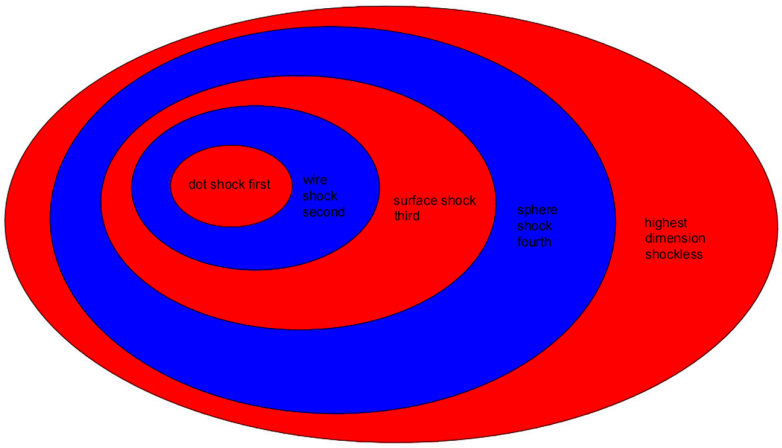

Figure 8. The relationship between dimensionalitys is that the higher dimensionalitys have a larger range but infinitely small energy, the lower dimensionalitys are faster, and the lower dimensionalitys produce more dimensionalitys.

11. The Inspiration of Mathematical Logic Given by Riemann Conjecture

We first consider the big whole: based on the previous statement, π is related to the number of collisions; Then analyze the collision unit. Note that e, (1+1/n) *n; this formula is the base number of energy transmission(also the focus). And the imaginary number i is the direction of a dimensionality generated by collision in the presence of one dimensionality. The imaginary number i can also be thought of as an added dimension.

e * i is equivalent to the process of passing to this new dimension (each vibration brings a new direction of collision). This length can also be considered as the process of energy dimension increasing. That is to say, each new dimension addition is equivalent to the 0 energy of the previous dimension ; of course, 0 is an approximation.

The formation process of the new dimension is similar to the calculation process of the bank 's compound interest. A straight line collides with a plane composed of n straight lines (or elastic collision with the wall). Let V1 denote the velocity of the line and V2 denote the velocity of the line in the plane.

$$\frac{1}{2}MV1^2 = \frac{1}{2}nMV2^2$$

$$\frac{1}{n}V1^2 = V2^2$$

This formula shows that : with this formula we understand the physical meaning of e.Suppose that there is a straight line which is an entire one-dimensional substance and there are countless zero-dimensional points in space. At this time, the straight line has a collision residual energy, which can only be concentrated on a quantum in the straight line. This energy causes the quantum to collide for the first time (a collision here describes an integer ten times the number of π). At this time, the quantum collision to the wall will undergo an elastic collision(wall refers to countless zero-dimensional points) . The energy of the wall rebound is excited to all the quantum on the straight line, and a collision residual energy is still generated and concentrated into a quantum, but the next collision wall not only includes this quantum but also includes the n-dimensional substance generated by the first collision (this formula is similar to the 1.000001 dimension). So the second bounce will have an energy dispersed into all the quantum again to make this straight line into

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1.000002 dimensions. This process needs to last for countless times, the collision residual energy is similar, and the number of times of this process is similar to the n-th power. Here n is not a number but it is infinite. Therefore, the process of one integer dimension ascending to another integer dimension is similar to that of bank compound interest, but each collision of individual quantum is π times, and each collision is similar to a new collision direction i. Finally, the negative energy with the same energy can be generated to offset the positive energy brought by the residual energy of the first collision. Form an integer dimension substance. Explain that the Euler 's identity is only applicable to the large whole, and it is an energy cycle, not a substance cycle. With the change of dimension, substance is changed. 1 in the Euler identity is the initial collision residual energy, that is, the difference between positive and negative energy at the beginning. Result-1 is the increment of negative energy after rising an integer dimension. The imaginary number i indicates that the newly added collision direction is based on the original vibration direction.

The Riemann conjecture: 1+1/2*s+1/3*s+1/4*s.....[6]

Let 's understand the new dimension from a different perspective. Let us say that we start with a point with mass 1 and velocity V1. The velocity of each point after n passes is set to V2.

$$\frac{1}{2}MV1^2 = \frac{1}{2}M(V2^2 + V2^2 + V2^2 + \cdots)$$

$$\frac{1}{2}MV1^2 = \frac{1}{2}MnV2^2$$

$$\frac{1^{\frac{1}{2}}}{n}V1 = V$$

We exchange energy for speed, or we separate each collision (here the collision is also refers to the π of the whole tens of times), here refers to the speed added until can 't produce acceleration. Because the positive energy is equivalent to acceleration, and the negative energy is equivalent to deceleration, as long as the deceleration is equal to acceleration, the substance can not produce acceleration in another direction. It can not be raised again. The Riemann conjecture expresses the residual velocity of the collision that can be generated after each dimension increase (the velocity loss may also be related to the energy loss generated by the infinite zero-dimensional point in the universe). The most important part of this formula is the imaginary part, which is related to the dimension of the previous integer that collided. As long as the zero-dimensional point vibrates in space, there is a slight energy loss or there is an impact between energy movement and space, the next dimension can be imaged. The higher the dimension, the less likely the substance is to improve the dimension. Therefore, increasing the speed is also a way to improve the dimension. The direction of vibration is generally determined by the dimensional balance (energy balance) in the large whole.

The law of energy transfer can be realized only when the real part satisfies 1 / 2. The Riemann conjecture is related to the energy in the new dimension (although describing the speed change but more intuitively how to generate a new integer dimension), and the Euler 's identity is related to the position of the current dimension (although describing the large overall energy but more intuitively the motion of the ascending dimension). Here we seem to understand that time creates space or creates a new dimension. So can we also think that time can also achieve dimensional balance, there will be no time part of dimensionality reduction. However, time may only be a concept that does not exist. The change of dimension can only change the speed of time, but not the direction of time.

Whether π is an irrational number depends on the dimension. The lower the dimension, the closer the number of collisions is to π. This expression will make us think that the energy in the final universe is an infinite dimension. When the particles reach the infinite dimension, the remaining energy of the collision will gather again and a new excitation will occur, but the infinite dimension at this time is equivalent to zero dimension. **But it is not clear whether the universe will be able to inspire us once it reaches infinite dimensions. And the universe itself may also be a single zero-dimensional point, or there are countless zero-dimensional points inside the zero-dimensional point. So the universe will rise again. When the universe rises to infinite dimensions, it only**

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means that all universes rise by one dimension. All these are possible（We'll leave that aside for a moment）.

The next point is crucial (you can skip it if you don't understand): we can only observe the expansion of the universe, not its contraction (the reason will be explained later). This does not mean that no other universes exist; on the contrary, the existence of other universes would cause our universe to continuously expand and result in special low-dimensional collision residual energy (not particularly special, but not from the first Big Bang). This is a challenging issue and can be left for another discussion.

The basic law of is not complex (running direction), but complex is the balance of dimensions in the whole and the direction of vibration caused by the balance of dimensions. This way does allow the universe to resolve the first anomaly, but not the direction. As long as the residual energy aggregation point of the collision is uncertain, the unit and vibration direction of the subsequent ascending dimension cannot be determined. **This will lead to the process of ascending dimension is not so regular, or produce some nodes. There is no analysis here for the time being.** I thought of a way to solve this problem: there was a zero-dimensional point in the universe with higher or lower dimensions before the Big Bang. In this way, you can judge the future development direction, but it will also lead to the final vibration into an infinite dimension after there is a different unit, it has a slightly higher or lower dimension. This does define the direction of vibration, but it also means that the universe's initial dimensions are not completely zero or that there are other dimensions outside the universe. I personally don't like this complexity. But it is still highly possible that there were non-zero zero-dimensional points before the Big Bang, **Because when a zero-dimensional point rises to an infinite number of dimensions, there must be some special zero-dimensional points (an infinite number of dimensions can be understood as zero-dimensional points, and the universe returns to its original position but does not rule out another "Big Bang"). So this possibility is not low, and it would make these especial zero-dimensional points difficult to analyze(There is energy left over from the last big bang）.**

Although the vibration direction of the small whole in the large whole is very different, in general, we can think of it as a similar vibration direction. Here I think of an interesting argument : the higher the dimension, the more negative energy, does it mean that the performance of negative energy is more obvious ? **If we consider the direction of vibration, the higher the dimension of the material, the more the direction of vibration, which will lead to the negative direction of the vibration direction is not single. This will affect the way of expression.**

Because the residual energy of the collision can be understood as the impact on the future (but only in advance). So we can slightly feel what has not happened in the future, but it is not accurate. **There is also an interesting phenomenon on this point : in a very short period of time, the past and the future can influence each other.** This is difficult to understand, and some thought experiments are needed. The future can be understood as the time that has not yet been generated, and time can generate space, that is to say, the future is the space that has not yet been formed. There are two forms of energy in the unformed space, one is the real future (the impact of collision), and the other is the virtual future (collision residual energy). The virtual future can react with a lot of collision residual energy accumulated in the past. This reaction is mutual, because the process of forming substance in the new dimension will also have a dimensional balance. We can be understood as adding water in a fixed container, the speed of our water can be affected before and after. The dimensions of the future will change, and the dimensions of the past will also be affected, but this process is instantaneous. Because the formation process of high-dimensional materials will also be affected by higher dimensions. That is to say, the container of water can only remain unchanged in the moment, the volume of the container will change after a long time. If we cannot distinguish each dimension has its own time, then it can be understood that the past and the future can influence each other. **At this point, the prototype of the final conclusion emerged: that the past should also be a special collision residual energy (low dimensional collision residual energy), and that there is a relationship**

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between the two collision residual energies. But if we understand the nature of time, we can understand that it is still the past that determines the future.

Explain dimensional balance : We understand dimensional balance as quantum entanglement. When two people observe each other, one of them changes his state, and the other is also affected. The macro dimension balance is not very obvious, because the macro is not easy to form a whole. For example, we observe an apple from the front, we can only observe the front of the apple. If we look at it from a different perspective, has the apple not changed ? In fact, this apple has changed. At this time, our relationship with Apple changed. Because what we 've observed has changed. Or different angles of Apple have different energy distribution. We can understand it as the direction of the vibration. The direction of the vibration of the apple changes (positive and negative energy changes). At this time, the apple ' observes ' our vibration direction will also change. The dimensional balance between us and Apple leads to different dimensional balances between us and the different states of things around us. When we do circular motion from a lake surface, we will find that there are different positive and negative energy components (**reflective surface and dark surface transformation position**) on the lake surface at each moment.

12. Understanding Dimension

The vibration of two-dimensional substance in space will produce two directions of motion. The original integer dimensionality determines the complex part in the Riemann hypothesis. **Only one imaginary number i can exist because the substance can only add a new direction of vibration at a time, even if the substance disperses the vibration, the substance can only increase the dimension or reduce the dimension at a time.**

Substances of the same dimensionality must be the same（Do not consider the internal，Or the internal dimension distribution）. Different dimensions combine to form a new dimension, such as 2.1 + 2.3 = 2.2, but the newly generated high dimension is not easy to be generated by the original single dimension, for example, 2.2 Upgrade to 2.23 on your own (this process is too slow, the basic fast dimension change comes from the dimension balance). 2.23 can affect the motion of 2.2.

Although 2.2 has a significant impact on 2.23, due to the huge energy of the two-dimensionalityal vibration itself, it cannot directly change the vibration direction of 2.23. So 2.2 + 2.23 = 2.2..... 2.2 and 2.23 have the same vibration direction but are different types of substances. Due to the principle of collision, assuming the energy of three-dimensionalityal substance is 1, in the process of forming three-dimensionalityal substance, the energy of two-dimensionalityal substance is n times that of three-dimensionalityal substance, **because the Riemann ζ function causes the new substance produced by the two-dimensional substance to be always an integer multiple of the entire three-dimensional substance.**

A zero-dimensionalityal point vibrating into an infinite-dimensionalityal point will eventually come to a complete stop, until all points vibrate into infinite dimensionalitys without colliding（This process is actually quite difficult to understand: do not think of zero to one dimension as an independent zero-dimensional point. Zero to one dimension encompasses the entire universe, and when the entire universe ascends by one dimension, all the zero-dimensional points within it will become infinitely dimensional and completely dispersed. This is because ascending by one dimension also means that the central zero-dimensional point becomes infinitely dimensional. If you cannot understand this, you can interpret Figure 8 as the zero to one dimensional universe）. However, the imbalance of positive and negative energy will still exist（The final process is much slower than the previous one. Matter does not exist, and energy and space are exactly equal. But the intersection of positive and negative energy may form matter, which is different from the matter mentioned earlier because it has no volume）, leading to vibration occurring again(The last collision can not release the original substance, but there is always residual energy).

Assume that the first 2.2 dimensions of 2.2 and 2.3 have exactly the same or opposite directions of vibration, these two substances can combine to form a new dimensional substance. **This new**

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substance has a characteristic that it can exist as a single substance rather than a combination of two substances, at this point entanglement occurs(Dimension balance).

It is difficult to accurately raise the dimensionality from 2.19 to 2.2 in large quantities of producing a certain dimensionalityal energy. If we want more 2.2 energy, we need more 2.1 and 2.3, which means higher and lower dimensionalityal energies need to become more. This way, the probability of producing 2.2 will also increase.

For example, excessive energy, such as inflammation(low-dimension), can be balanced by raising the dimension. But the process is not simple. Although I can't explain it, we can understand it as generating high-dimensional matter and carrying out low-dimensional matter. In essence, it is still regulating the direction of vibration, or preventing the change of dimension. The treatment of special diseases such as cancer is different from the treatment of inflammation. Cancer seems to be treated by improving its own dimension. Due to the high dimension of cancer cells, improving the dimension can effectively control the harm of cancer cells. Although the dimension of most viruses is also high, it is difficult for cancer cells to reduce the dimension. Raising one 's own dimension may accelerate the speed of death (the overall rising dimension of life). **If we can 't find a way to reduce the dimension of cancer cells, we can balance or slow down the time of death by autonomous dimension reduction.**

However, any substance contains positive and negative energy, and a static substance mass is the negative and positive energy difference. As shown in Figure 9, the direction of the vibration represents the positive and negative energy, and the difference between the positive and negative energy determines the magnitude of the dimensionality, so the moment of the vibration represents the dimensionality of the substance at this moment. if the relativity of the frame of reference is not considered, the substance of the same dimensionality must be the same. That is to say, two substances of the same dimensionality have the same total positive and negative energy, but the direction of positive and negative energy vibration is different. Therefore, there will be different internal components for the same dimension. In addition, it should be noted that if it is a 3.4-dimensional substance and a 3.5-dimensional substance produced by the same whole, the first three dimensions of the two substances are not easily observed.

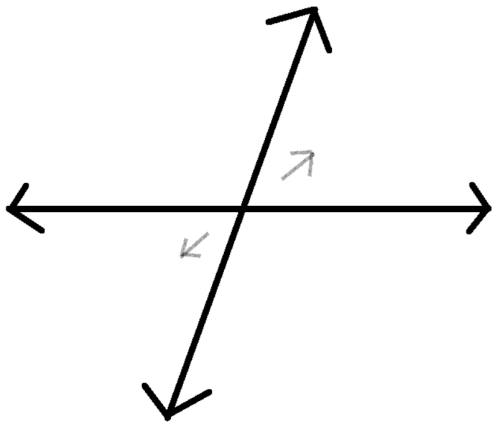

Figure 9. A two-dimensionalityal substance.

Next you need to think carefully. If the substance has vibrations in all directions, then the next dimensionality of the substance is easier to ascend but more difficult to reduce. Because the more the vibration direction of the substance, the easier it is to require energy in a specific direction. So the promotion of the dimensionality requires collisions in all directions. Here, it refers to the combination of different dimensions or collision directions in a single dimension. **A dimension refers to the**

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collision in different directions that shakes the energy to zero, not a single vibration direction（Integer dimension）.

Next, we consider a special case where the velocity of the substance reaches the speed of light c. In the previous analysis, we know that the speed of motion reaching the speed of light is equivalent to time pause, and time is equivalent to the comparison of substance motion and space motion. Positive energy and negative energy are equivalent to shrinking space and stretching space. The substance reaching the speed of light can not produce space deformation, that is, can not occur relative collision, the positive and negative energy of this substance is equal. **It is almost impossible for integer dimensional matter to increase its dimension, because there is no more collision residual energy at this time. However, as long as all non-integer dimensional matter rises to integer dimensional matter, the whole at this time can be regarded as non-integer dimensional matter in another dimension. Then, there will be a higher dimensional collision residual energy to help lift the dimension. In fact, it generally won't increase dimensions again because I didn't consider the residual energy from low-dimensional collisions before. In reality, once one of the zero-dimensional points rises to the next integer dimension, all zero-dimensional points in the entire universe will ascend to infinite dimensions. This process is not complicated; we just need to consider that the residual energy from low-dimensional collisions continuously generates low-dimensional matter. The specific entire process will not be explained here; you can read the article and think independently.**

There are four kinds of forces that are most easily observed in any dimensionality of substance. Assume that the dimensionality of a substance is 2.2, 2 dimensionality can produce a strong force, 0.2 can produce a weak force, the positive and negative energy difference between this substance and other substances can produce a force, the new dimensionality of this substance can produce a force. There is another force that is not easy to find, because the energy is too large and stable. This force is the previous dimensionality energy that 1 can generate. **This force is special and can only be possessed by a super large whole. In general, the first few dimensions of matter reach integer dimensions and there is no such force. All super large whole: all one-dimensional to two-dimensional whole can possess dark energy.** We know that the change of dimension depends on the alternation of positive energy and negative energy. If the positive energy and negative energy are basically balanced, it is difficult to change the dimension.

The most obvious vibration in the organs is the heart(The lowest dimension). Although the brain determines the complexity of the body. However, it is clear that the changes in the brain do not directly affect the organ but the movement behavior. This process is not as good as the impact of changes in the heart on the organ. After strenuous exercise, the biggest change is the heartbeat, here does not consider breathing changes in lung activity. Because body movement is a smaller dimension of ascension, it has the greatest impact on the lowest dimension. Similar to the dreams, weak dimensionality reduction has the greatest impact on the brain. The slight effect during sleep may lead to a slight dimension reduction and the brain has the greatest impact. Anyone who is slightly uncomfortable when sleeping is likely to dream. **So dreams can be simply understood as a mode of dimensional elevation of anomalies. That is, dreaming has a stronger dimensional enhancement ability than ordinary sleeping. However, both sleeping and dreaming are somewhat different from the general process of dimensional elevation. This is more like a method to gather residual energy from collisions in lower dimensions (this is just a guess, the specific process should be very complex).** But after reaching the night, the body part of the human body has reached the limit (used to lower dimensions). Without sleep, the dimension of the body cannot rise. **Let's say we put a person in a dark, closed space (dimension reduction), and if he doesn't sleep he will suffer.** It can be seen that photons belong to negative energy and darkness belongs to positive energy. Some people may wonder what darkness means. **Darkness can be understood as low-dimensional collision residual energy, or the background space formed by dark energy.** Because the higher the dimension, the more difficult it is to ascend the dimension, so there is a lot of light at night now, which slows down the speed of ascending dimension (stops sleep). At this time, there must be some

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doubts : shouldn 't the higher dimension of photons lead to the higher dimension of matter ? Photons can also increase the dimension of matter, but we know that matter can not only increase the dimension for a long time, but also increase the dimension and reduce the dimension at the same time. Because vibrations or collisions can 't just go in one direction. And I think the effect of sleep lifting is much greater than that of light. So light can prevent sleep. It may also be that some people cannot accept that photons belong to negative energy. Since Figure 3 shows that the external manifestation of negative energy is positive energy, this may allow us to accept reality. The residual energy of the collision can promote the rise of the dimension, so having too much residual energy of the collision will increase the generation of negative energy.

The higher the dimension, the more the direction of substance vibration. Without external force, the complex vibration direction will make it difficult to reduce the dimension. because of the direction of vibration, the speed of response is slow, duration was longer.

The principle of dimension balance is positive and negative energy balance. A substance 's short-term ascension dimension will be accompanied by the reduction of the surrounding substance dimension. **So we can also know that high-dimensional matter cannot be high in all places, it must be high in some places and low in others.**

When two substances with different vibration directions coexist for a long time, the vibration directions and trends of the two substances will become similar, because long-term collisions will produce forces that change the vibration direction. This explanation can help us understand the concept of dimensional balance. Long-term coexistence can be understood as the occurrence of dimensional balance. Why positive energy is greater than negative energy. Here, we regard the positive energy as a compressed space and the negative energy as a stretched space. This is only a microscopic expression. For macroscopic matter, the positive energy is only the result of the interweaving of positive and negative energy, but the positive energy is larger. **If we take the volume of substance as an example, it is better to understand, so positive energy greater than negative energy will rise in dimension.**

The above describes the process of dimensional balance, and there is another phenomenon that is similar to this process. Quantum tunneling visualizes this process. Dimensional balance is akin to a collision between two substances, where the vibration directions of the two substances gradually become similar. Suppose a quantum collides with a wall; at this point, the wall represents a larger whole or higher-dimensional matter (the higher the dimension, the more pronounced the reaction). (There is a misconception that needs clarification: it's not true that the larger the wall, the higher the dimension; on the contrary, if the material does not change, a larger volume indicates a lower dimension. Additionally, it also relates to the width of the wall. The collision is unidirectional; if the material does not change, a wider wall indicates a lower dimensional direction). The wall will produce weak quantum vibrations with a similar direction to the impact quantum. Therefore, quantum tunneling is not about actual energy passing through but rather the formation of new quantum states similar to the impact quantum (although the process still satisfies the law of conservation of energy). Regarding the relationship between volume and dimensions, it should be noted that the higher the dimension, the greater the volume. However, as dimensions increase, the basic units of matter undergo certain changes. But these changes are not simply from one unit to another; they are proportional changes. Overall, the higher the dimension, the greater the proportion of negative energy.

The vibration direction of the previous dimension determine the vibration direction of the next dimension（Due to the external dimension balance）, but it can not determine the change speed of the next vibration direction to the dimension, which is simply to determine the future vibration trend. The speed should be determined by the size of the dimension or the complexity of the internal dimension（Internal dimension balance）.

According to Figure 10, we can see that positive energy and negative energy are generated at the same time, so the positive and negative energy should be completely symmetrical, but why the positive and negative energy in reality is not completely symmetrical, because only the deformation

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of space is used to approximately describe the force, but the essence of energy is the number of collisions. The number of collisions determines that the energy is not conserved. In some cases, the number of collisions can be doubled (odd). To eliminate the energy in one direction, we need the opposite direction and at least the same number of collisions to completely eliminate the energy.

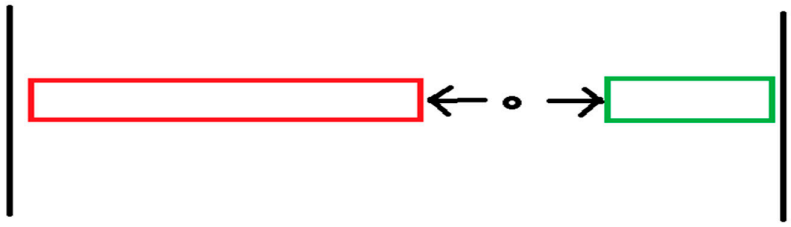

Figure 10. The generation of positive and negative energy.

Once again, we return to the quantum entanglement effect and discuss why the speed is infinite. What characteristics will be produced when two substances become one substance. The space between two substances and the two substances can form a dimensional balance. Similar to two points colliding back and forth in a unit space, that is to say, two energies form a small whole. Although the higher-dimensional substance has low energy, it has a greater impact on the lower-dimensional substance. We know that the center vibration can lead to the surrounding dimension reduction. After the universe finally forms the highest dimension, there is no energy difference in substance. The dimension of the whole substance is exactly the same, similar to the disappearance of substance and energy, only the boundary**(The boundary here is a difficult point, there are three cases can form a boundary. The first is when the residual energy of the collision is weak, the boundary generated at this time is the boundary between the excess one-time collision and the residual energy of the collision. The boundary at this time can be understood as a multi-point collision, which determines the energy nature by the positive and negative nature of the first collision. The second is more common, that is, the residual energy of the collision is more. At this time, the residual energy of the collision leads to the dimensional balance inside the material, like an independent space wrapped material, similar to the holographic theory. At this point, the positive energy is more likely to produce a collision with the negative energy and the remaining energy. The third is more special, the collision residual energy is very large, which will also lead to the formation of dimensional balance between high-dimensional residual energy and low-dimensional material energy again. Forming a harder-to-perceive membrane（The transformation membrane）. This situation is generally low-dimensional collision residual energy intervention. This energy seems to be a ' repulsive force ' but this repulsive force is transient or general matter cannot exist. Of course, the super-large whole can stably exist this energy. However, we only discuss general matter, and only special cases can lead to the intervention of low-dimensional collision residual energy. After this intervention, a large amount of matter will be generated, or a large amount of high-dimensional collision residual energy will be generated. At this time, the membrane is a change membrane that switches back and forth between the material membrane and the high-dimensional collision residual energy.** and the center point. Some larger wholes will produce stronger central energy (the first few dimensions do not reach the integer dimension). The center of gravity here is not the center of gravity of material weight, but more due to the direction of vibration or more positive energy.

Figure 11 is the space generated by the collision path of substance, which roughly describes the ascending trajectory of substance.

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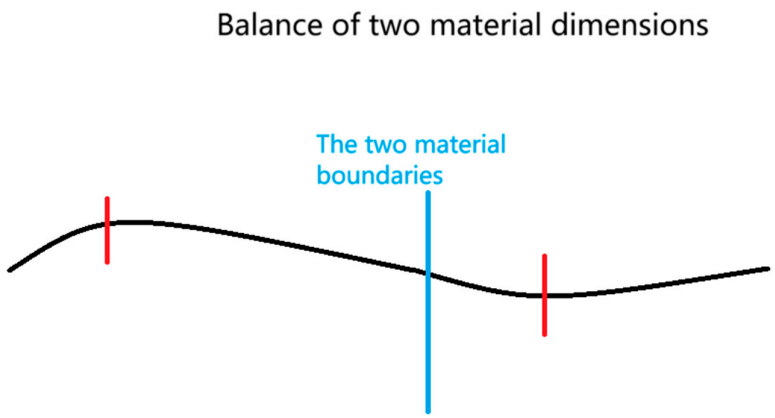

Figure 11. Balance of two substance dimensions.

The annihilation between energies is because we only consider the existence of one form of energy in a substance. In fact, the energy form is a combination of positive energy and negative energy, so annihilation can be understood as ascending dimension. Therefore, gravity is not negative energy, but the difference between the new dimension produced by positive energy and the new dimension produced by negative energy. Because positive energy is a compressed space. The new dimension is always more positive energy, so gravity is the resultant force of the new integer dimension.

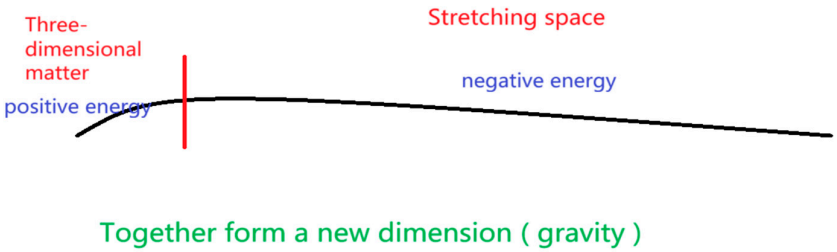

Figure 12. Together form a new dimension (gravity).

We discuss quantum : the wave function of quantum is caused by the balance of internal dimensions. The observer effect may lead to the dimensional balance between quantum and other matter, but it is difficult to change the dimension of matter in a short time. What is easier to change is that the direction of vibration of energy (energy distribution) now considers a special phenomenon that occurs naturally. We know that the remaining energy in the collision will lead to the generation of new dimensions, but how to know the next collision ? Perhaps the answer can be found in a special natural phenomenon, such as the mapping of memory and reality in Figure 13. Things that do not exist in the past still produce memories. Although past events do not collide, the remaining energy can still bring memories (the total amount of energy impact remains unchanged). Then, the memory that didn 't happen becomes part of an event at some point(the energy forms a collision, which will produce a complete collision in the unit space). So how to know when the remaining energy of the collision is generated ? There is also a phenomenon that some substances or events that do not exist in reality can form memories. It can be simply considered as the starting point of the formation of

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collision residual energy. **Although the residual energy of the collision is very weak, it plays a key role in the change of dimension.**

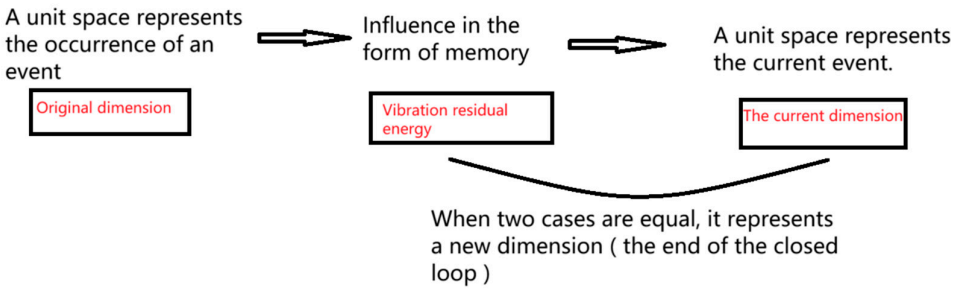

Figure 13. A special phenomenon occurring naturally.

We know that there will be residual energy in the collision, and this residual energy is also the reason for the static speed of the substance.**Therefore, the higher the dimension of the substance (the premise is not the integer dimension), the faster the static speed. The speed here refers to the average speed of the elementary particles that make up matter. The total velocity of matter is smaller in higher dimensions. And heat can cause matter to rise in dimension (overall rise in dimension does not mean that all structures will rise in dimension).** The residual energy of the collision is generally a positive energy without an event. But with the accumulation of time will lead to the accumulation of this collision, there is a certain chance to produce their own closed loop(Two kinds of collision residual energies）. Because different collisions will be different, it is possible to form an energy balance.But this balance is relative and does not produce real events. This closed-loop will be applied to special other events by chance. Instead of a description form : the remaining collisions will gather together until a unit space is formed.This unit space is with energy, and this energy will be possible to achieve energy balance with other substances.With the change of time, this positive energy will be dispersed to the surrounding substance. This dispersion is equivalent to offsetting this imbalance. With the disappearance of these substances, positive energy will gather together again to repeat this process.

But one thing is sure that the role of collision residual energy is to enhance the dimension, in other words, to promote fairness or eliminate the anomalies caused by the first ' Big Bang '. There are two ways to generate collision residual energy, but both are positive energy. We can imagine this from the movement, but the remaining energy of these two collisions is different. That is to say, the ' non-substance' produced after aggregation also has a combination of positive and negative energy. This ' non-substance ' substance can be considered as a new dimension of substance. Therefore, we can judge that the residual energy of the collision is more likely to accumulate in the high-dimensional part of the low-dimensional whole（one of the modelings）. Therefore, we can conclude that there is a whole, which is composed of a and b. The dimension of a is higher and the dimension of b is lower. However, for these two as a whole, the high-dimensional part of b is higher than the high-dimensional part of a. Of course, this is not fixed, for example, the increase of negative energy in the later part will also increase the dimension, which should be very complicated. Of course, the remaining energy of another collision is somewhat different from this. It likes to gather in low-dimensional materials for direct dimension elevation. **In addition, since the residual energy of the collision is represented as substance in the high dimension, the two residual energy of the collision can be understood as a set of positive and negative energy similar to Figures 2 and 3. Then the collision residual energy is more likely to gather in the independent individual with the highest dimension and the lowest dimension. There is no need to generate doubts here, you can understand directly. This is a relatively unique unit, which should also have many characteristics. The biggest feature I can think of is extremely stable, such as preparing for the gathering, but after the gathering, the unit will be extremely unstable (or the movement is extremely complex). But**

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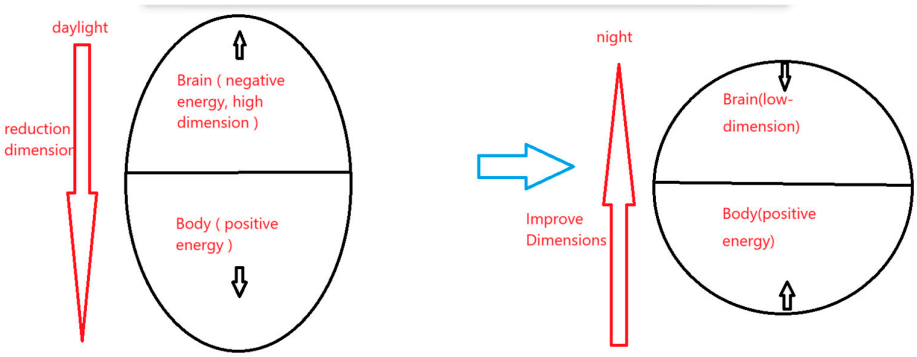
this instability is also relative to the past, in fact, this object is more likely to form an independent whole. In some ways, it is still relatively stable, because it is not easy to receive external dimension balance, but it is easy to have complex dimension balance internally. Because this means that it will rise again. Then there is a question : does this mean that the highest dimension of the unit dimension is always the highest, in fact, not necessarily. Because the dispersion of the residual energy of the collision will lead to the increase of the surrounding unit dimension, it also means that its dimension may decrease. This is not good analysis, may have different answers for different environments. Therefore, the accumulation point of collision residual energy is very complex. **Finally, I conclude that high-dimensional units are more likely to balance with low-dimensional units. In other words, the residual energy of the collision is more likely to gather between the units with huge differences in two dimensions to form a whole.**

Emphasize how to maintain the stability of the substance, and the difference between positive energy and negative energy will dimension reduction. Only when the positive energy and negative energy are equal can the substance be stable. Due to the balance, the change of dimension is generally divided into two cases. Low and high dimensions are close to the same dimension at the same time. Or two similar dimensions of the small whole, one dimension becomes lower, the other dimension becomes higher. Because there must be energy imbalance between the two sides of the substance, there is generally a high side dimension and a low side dimension, but the overall trend of ascending dimension is fixed (the general direction is close to the same dimension). Although the energy of high-dimensional substance is small, the collision energy loss is large. This leads to the higher the dimension, the smaller the mass, but the faster the speed of the object. Therefore, the faster the high-dimensional substance moves, the more obvious the yield of kinetic energy (heat energy) is. "obvious" also represents high temperature, which is obviously a relative description. It also represents that temperature can lead to the elevation of matter. However, note that matter cannot be elevated all the time, and it needs to be alternated or simultaneously elevated and lowered. Now discuss the behavior of substance : the electromagnetic force between two substance is very complex, because with the change of time and distance, the positive and negative energy is not easy to judge. Because the energy distribution of macroscopic substance is not as simple as that in Figure 3. And the energy form of a single substance also changes. Take sleep as an example : daytime is a dimension reduction for the body. Speaking of this, do we think that the role of sleep is to enhance the dimension, but we need to pay attention to it. Perhaps the structure of the human body is not only the body, but also the high-dimensional material. We can assume that the brain (mind) is a high-dimensional material. We can observe the process of understanding the ascending dimension in Figure below. But this analysis method is too simple, the reality is far more complex than these. Since macroscopic objects have many complex global and dimensional balances, these understandings can only serve as an inspiration.



This is a simple description, and the real situation may be similar to the second pattern in the figure below, but the first pattern will also exist. The first pattern requires relatively stable low-dimensional collision residual energy to maintain a relatively stable energy ratio. The second case is

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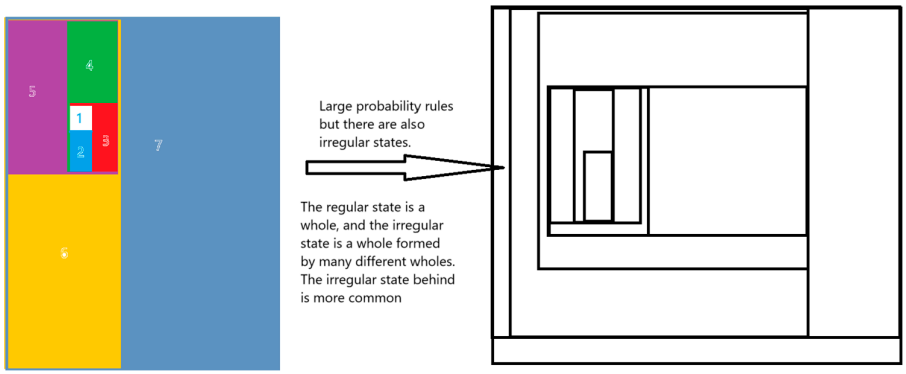
easier to achieve: as long as there are low-dimensional collision residual energies in the random units in the whole, the development can be irregular.



According to the above diagram, we can get a new conclusion : according to the previous description, the higher the dimension is, the more difficult it is to increase the dimension, then the higher the dimension should be, the easier it is to reduce the dimension. However, this may not be the case. Because the residual energy of the collision leads to the dimensional balance within the material, the high-dimensional part is difficult to reduce the dimension, but the low-dimensional part is more likely to increase the dimension or reduce the dimension.

The method of judging the change of dimension can consider whether the two energies tend to be in the middle or widen the gap. For example, there are more and more similarities between Eastern and Western countries. Of course, this is also a simple way of understanding. **Due to the law of increasing entropy and the continuous collisions in the universe, scientists generally agree that there is no entropy reduction in the universe. However, this is not entirely true: the continuous expansion of the universe is due to low-dimensional collision residual energy. But for most matter, the first few dimensions have already reached integer dimensions (excluding humans), and large structures differ overall, such as the formation of all two-dimensional to three-dimensional matter. If only high-dimensional collision residual energy exists, matter is in an alternating process of dimensional elevation and reduction, with the overall trend being elevation. However, the scale of the universe is too vast, and what we can observe is an entire dimensional space. There is a lot of low-dimensional collision residual energy (dark energy) within galaxy clusters, which causes the galaxies to reduce their dimensions. The essence of dimensional reduction is to prevent matter from becoming a single entity. Moreover, low-dimensional collision residual energy can continuously produce matter, which in turn can generate high-dimensional collision residual energy. High-dimensional collision residual energy leads to dimensional balance among matter, promoting the formation of a small whole from all matter. Therefore, while the universe is continuously expanding, it also continuously forms small wholes (contractions) within itself. The nature of dark energy can be understood as the energy that the Big Bang provides, so it will continue to weaken, but at a very slow rate. So you can think of it as being generally unchanged.**

For a substance, every collision will lead to an increase in the dimension of the substance. Since there are still only three spatial dimensions after the three-dimensional substance is still static（Does not involve non-integer dimensions）. However, the energy changes (the essence of gravity is = four-dimensional positive energy + four-dimensional negative energy). It is a change of space (there is already another spatial dimension), because the deformation of space leads to the fact that time is no longer a parameter (general relativity). This is why gravity is greater than repulsion, but the universe is still expanding. **As for the reason why the continuous expansion does not see the contraction process, it is because the low dimensional matter of the universe as a whole has not reached the integer dimension. This is a difficult point.**

If gravitons are included in the particle standard model, gravitons as three-dimensional particles will inevitably produce an infinite number. However, gravitons (we think of gravity) as unstable high-dimensional substance are difficult to exist in the form of particles, because gravity itself is the

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collision residual energy is not substance. Photons are very close to four-dimensional three-dimensional particles, and gravitons have exceeded four dimensions. **The essence of gravity is all high-dimensional substance. If we force gravity to be defined as matter, or if all elementary particles and gravity are put into one framework, then string theory is a good choice. I'll explain later. But there's no need to do that, because gravity is just energy for us, and the material level doesn't need to be considered for a while.**

Because the difference between collision and non-collision is that the energy of collision has determined the direction, **and the energy of non-collision will move periodically in three directions once,** as shown in Figure 14. It can be imagined that a three-dimensional substance will appear to have a fixed direction, and another zero-dimensional point will move once in the three-dimensional model. In order to achieve the same motion effect, it is necessary to continuously vibrate three times in the three-dimensional model.

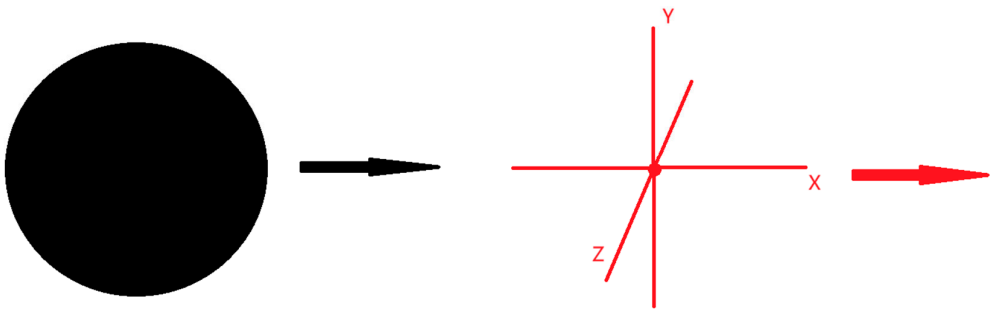

Figure 14.

An energy-balanced substance that should be close to neutral. However, the unit energy of the constituent substance cannot be neutral energy, and it must be positive energy equal to negative energy. Because any substance is infinitely split into the smallest unit（**Not just three-dimensional, for non-integer dimension materials, the higher the dimension, the larger the volume. For integer dimensional matter, the higher the dimension, the smaller the volume. This is not difficult to understand :Because the proportion of positive and negative energy determines the non-integer dimension, and the integer dimension space determines the integer dimension. Or when the material reaches an integer dimension, the overall space disappears and the units within the whole are completely dispersed**）, it is the process of vibration at the zero-dimensional point in Figure 10. Therefore, any part of substance is the result of the sum of positive and negative energy. Even if it is neutral, it is also a manifestation of positive and negative energy balance. On the whole, substances with lower dimensions are more likely to obtain negative energy for dimension increase, while substances with higher dimensions are more likely to obtain positive energy for dimension reduction（**In fact, the high dimensionhas not changed much**.）.

Here's a few topics I'd like to discuss that are not rigorous: Thinking is a good way to reduce dimension（Dissipate the remaining energy of the collision）, which may bring some doubts. For example, overthinking people often feel listless，when we do not think at all, it often brings great energy in an instant. First of all, I can make sure that we have a little sense of consciousness（This is different from the collision residual energy formed the day after tomorrow, the former is more like a low dimension.）, but more is still the rule of development. Many times the choice we make is necessary for the development of things. Because the high dimension will love to think, the low dimension will not like to think(Positive and negative energy collide back and forth). As for how to switch our dimensions back and forth should be a more complex process, there is no way to discuss here. Then how to understand the state of complete non-thinking. **It can be understood as the rapid reduction of dimension, or the rapid accumulation of collision residual energy（low-dimension）.**

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Here can only be understood in this way, and the application of this phenomenon to the whole universe can indeed make some planets have a great impact in an instant(**Some units reduce the collision residual energy to the previous dimension, because the forced generation of collision residual energy in high dimensions may also lead to the sudden generation of collision residual energy in low dimensions**）. This should not be the nature of collision residual energy, but more like a critical value of dimensional balance (quantum entanglement). But the cause of this situation is unknown. **There is a phenomenon that can indeed lead to irregular aggregation and dispersion of collision residual energy : there are zero-dimensional points with different dimensions before the Big Bang. But this will be very irregular, so that the starting point of ' universe time ' may not exist, not to consider for the time being.**

However, the remaining energy of the collision cannot form substance, which leads to extreme instability (but it will be extremely stable under some understanding, because it cannot interact with other substances), so it is not possible to judge the type of energy by dimensional balance. But we can judge from its nature that this energy has in common is positive energy. I believe that many people are incredible about Lorentz transformation, because mathematics is not as understandable as physics. In fact, the Lorentz transformation is not to keep the speed of light constant, **but to keep the negative energy is not greater than the limit value of the positive energy.** This premise is not that quality is not negative but **time is not negative.** The maximum difference between the speeds of the two reference frames cannot be greater than the speed of light c. Consistent with this formula seems to keep c unchanged, in fact, must v < c. Here c is not the speed of light we think but a limit value, so c is the result is not the premise, but the premise is that time can not be negative. Although we can 't give a good formula, I want to explain it roughly : due to the change of energy, the speed of collision changes. The higher the dimension, the smaller the energy but the faster the speed. **But the sensed time and their own time are two opposite concepts.** I think the time inside the substance is the interval of each collision（There is a relationship but not entirely）. The faster the energy movement, the faster the collision ? There seems to be no problem statement, but the energy is not exactly equal to the collision, because the number of collisions is fixed. Energy should be the energy carried in the ' ether ', and the speed of the ether is the speed of time. The speed of the ether will have a critical value, then the speed of the ether if less than the critical value can not carry energy. The critical value is c, that is, the time is 0. I don 't think that the speed of motion is greater than the speed of space is the time reversal, and the energy generated later is more forward movement may make the energy from the original space into another space unit. Because energy is transmitted by the ' ether ' to form substance, it is still the future.That is to say, a person may be getting younger and younger, but can 't go back to his youth history. And this change of negative energy increment is likely to be balanced by the powerful laws of the universe, that is to say, extremely unstable. Furthermore, the reason for the change of the space around the substance is that the higher the dimension, the slower the transfer speed of the space around the substance. If we understand the spatial range as the impact of the collision, the spatial transfer velocity can be understood as a range or energy size .

The essence of time is the interval of energy propagation in space. We imagine why time changes : the faster the energy movement in the unit space, the faster the collision speed, but the faster the movement speed, the slower the space propagation speed, and the time does not change. However, we ignore that the collision distance of energy in unit space has changed (one of the reasons why relativity and quantum theory are difficult to integrate is that the change of integer dimension will directly change the space of unit energy), and the change of energy speed leads to the change of dimension. The change of dimension directly determines the volume of unit space. Because the propagation speed in the unit space has changed, the total distance of the original energy motion includes the volume of the basic unit space. For example, photons, an integer-dimensional substance, cannot collide because of the equal movement speed of energy and space, and its movement distance is equal to the volume of unit space. What really changes time is the influence of the scale of unit space on the total distance. Total time = collision interval time (space transfer time) + substance movement time（The essence of time interval is the change of quantum quantity, but relativity does

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not consider quantum, only considers large overall substance.）, total distance = unit space length (space transfer speed) + energy movement distance. The reason why the dimension is constantly changing is that the remaining energy of the collision excites the unit energy to collide in another dimension. The remaining energy of the collision is also the cause of gravity, but the remaining energy of the collision is not gravity, but the power that can generate gravity. **Therefore, three-dimensional space + one-dimensional time = three-dimensional collision residual energy = four-dimensional material formed later .**There is also a misunderstanding that the two-dimensional surface vibrates into a three-dimensional ball, which means that the three-dimensional is composed of two dimensions. On the contrary, after the vibration, the original two-dimensional will change in dimension, **so the two-dimensional substance is composed of countless three-dimensional substances.** That is, countless three-dimensional spheres form a curved surface shape (why the field exists in all spaces : the unexcited space is still a part of the two-dimensional field, when all the spaces in the two-dimensional field become three-dimensional substance, there is no unexcited field). Here is a key point : why quantum fields can accommodate many physical phenomena. This understanding does not conflict with Figure 8. It is correct that three-dimensional substance is evolved from two-dimensional substance and two-dimensional substance is composed of three-dimensional substance. **The two-dimensional field can be considered as the composition of countless three-dimensional substance. So that any place is full of field.**

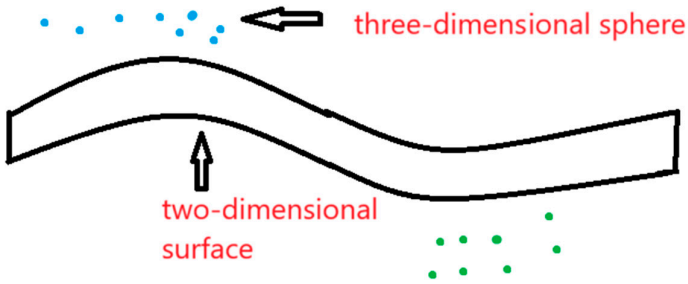

Figure 15.

It is difficult for a macroscopic substance to reach the energy distribution in Figure 3. Because this situation only exists in the integer dimension substance, that is to say, the positive energy is equal to the negative energy and cannot collide to cause energy transfer. The energy distribution of most macroscopic substances is very complex (but not completely chaotic, because the positive and negative energy has a specific direction, which is similar to the distribution in Figure 8).Suppose that the substance is composed of a and b, and the dimensions of a and b are determined by the energy distribution. For example, if a has more positive energy, the lower the dimension of a, the higher the dimension of b, and the two substances reach the dimensional balance. There are two possibilities now. In order to increase the dimension, a is easier to get the negative energy of b. **The reason is the type of absorbed collision residual energy. a is easier to absorb the collision residual energy generated by b, and so on.** In this case, the overall dimension of this substance continues to increase until it is decomposed into more substances in the next dimension, which is also a normal phenomenon. The other is that a will also get the positive energy of b, that is, the overall dimension reduction of substance. **If this happens all the time, there will be a big collision, re-ascending the dimension (The first case always happens and may be wrapped ， The space here is not formed by the residual energy of high-dimensional collision, but more like the intervention of the residual energy of low-dimensional collision to form a new dimensional balance). In fact, this is because the dimension balance in the whole, the higher dimension will reduce the dimension, and the lower dimension will increase the dimension. Although energy will appear alternately**

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between the increase of dimension and the decrease of dimension, the continuous increase of dimension as a whole cannot be changed. wrapped is an interesting concept, similar to people like to wear clothes. It may be a little rude: When the dimension is high, you like to wear tight clothes, and when the dimension is low, you like to wear loose clothes or ' not wearing clothes '. Of course, the combination of the two is not impossible, instead, we can use the style of clothing to determine which parts of the body are higher and lower.

Why the basic particles are fixed and limited, the summary is that the change of dimension will not change the basic energy properties. For example, after the two-dimensional field excitation or collision changes the dimension, **it only changes the number and proportion of particles that are excited.** However, the type of elementary particles does not change (here does not consider the different processes caused by different vibration directions, does not define the same time only to maintain the results), and the original field only changes the number of basic units does not change the energy of each unit. Therefore, the basic unit remains unchanged, but the dimension changes, and the total energy may only change slightly (because the anti-energy will also excite the basic particles). Therefore, the only reason that really determines the type and number of basic particles is the number and dimension of the force and the corresponding new dimension. At the same time, these basic particles also determine that the type of force is limited. Because only the force of the number of basic particles is changed, and the type is not changed. However, this does not mean that the dimension can not be changed, because the basic components of any dimension are the zero-dimensional points that collide in the unit space, and only the number of zero-dimensional points is changed. Therefore, different kinds of energy can form a new dimension as long as they can achieve dimensional balance.

Although the residual energy of the collision is positive energy, the direction of the vibration is not the same, because the residual energy of the collision comes from a large amount of the previous dimension energy. And when the residual energy of the collision is dispersed, a large number of vibration directions are dispersed to the whole. At the same time, this concept can also help us understand the process of ascending dimension. Ascension does not depend on external energy but on the dispersion of its own energy. We might think that we need low dimensional collision residual energy to provide energy all the time, but we have to know that low dimensional collision residual energy is itself included in matter. excitation : When the two-dimensional field is excited, it can only be excited to an independent unit, because the energy is not large enough to make the two-dimensional material directly vibrate into a three-dimensional material. However, it can be slowly increased by the aggregation and dispersion of the residual energy of the collision. Why the residual energy of the collision must be positive energy, because the accumulation of the residual energy of the collision is to cause a new collision of the substance to occur again, and only after the accumulation can we observe（Have an impact, do not form a substance）. This collision must not be in the original dimension (energy is not enough to make the original dimension unit energy collide, can only make the unit dimension energy collide to another dimension), the direction of the first collision is positive energy. Because the positive direction is the direction of the first collision we defined, the positive and negative energy of each dimension is also relative. Just because the positive direction represents the energy of contraction, there is no difference between the two energies.

The improvement of dimension should be a very slow process, but in the whole of achieving dimension balance, **part of the structure can be rapidly increased, so as to drive the overall dimension up**

Assume that there is a four-dimensional substance as shown in Figure 15, the length of the four-dimensional chordis a, and the side is expressed as b. Why do I think that the three spatial dimensions and one time dimension of general relativity can be equal to the four spatial dimensions in quantum theory. Because the fourth dimension of substance is similar to a chord(**The real one-dimensional string can be considered as each ' fiber ' of the Laniakea Supercluster. This is actually a one-dimensional to two-dimensional material, and the whole galaxy cluster is a matter between zero and one dimension. The formation of the integer dimension also means that the volume is extremely compact, or that the volume is not occupied in the original dimension, which is related**

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to the central vibration or the disappearance of the balance of the internal dimension. The equal positive and negative energy also means that there is no need to vibrate or understand the disappearance of its own space, or it can be understood by space velocity.). I think we also need to explain why the string in the string theory we are considering is four-dimensional, because the other three dimensions of the string cannot be observed or do not consider the calculation. **Why can 't the first three dimensions of string be observed? Because the first three dimensions of the string reach the integer dimension. Because four-dimensional space contains three-dimensional space. If we observe a plane in the body, we can see that this plane has two dimensions, but a random plane in the body can only observe one dimension when observing human movement. In addition, the first four dimensions of the string reach integer dimensions, but the three-dimensional matter or three-dimensional particles composed of the string still have a non-integer fourth dimension. Don 't understand can temporarily skip.** There is an interesting gap between the integer dimension and the non-integer dimension. The higher the material dimension of the non-integer dimension, the larger the volume (**here is the overall volume, not the unit volume within the whole**), while the integrity will disappear after the non-integer dimension reaches the integer dimension, and the volume of each integer dimension unit will disappear. Because the collision residual energy will be weaker and weaker in the process of dimension increase, the effect of collision residual energy is to form dimension balance or form independent space. That is, the integer dimension material does not have its own space or is extremely small. Therefore, the substances we usually observe are non-integer dimension substances (large whole). Here we can understand that a is the fourth dimension, and b is the first three dimensions. The four-dimensional substance velocity (a direction) does not change the length of the first three dimensions. However, the change in speed affects the dimension and can change the length of the fourth dimension. I also said before that speed is related to time, the faster the speed, the slower the time. That is to say, the change of four-dimensional chordmotion is equivalent to changing the time of each dimension without changing the first three dimensions. Conversely, if I think that a is the first three dimensions, b is the fourth dimension, then the speed of the four-dimensional movement changes the length of the first three dimensions, and the fourth dimension remains unchanged. That is, time-invariant space changes. Finally, it is concluded that the key to solving relativity and quantum mechanics lies in time, speed affects dimension, and dimension affects time. In quantum mechanics, the change of time can be transformed into the change of total amount (total amount refers to the total number of quantum or the total number of zero-dimensional points), because the change of time is essentially the change of dimension, which determines the speed and the total amount of zero-dimensional points. In relativity, the comparison between the whole and the whole is generally discussed. If the total amount of zero-dimensional points changes, it can be considered that the original whole has changed, and the substance has changed from one substance to another. But if it is compared with another whole, it can be considered that time has changed. **In simple terms, quantum mechanics is three-dimensional, without a time dimension. Time can only alter the overall dimension, not the unit dimensions within it. Relativity, on the other hand, deals with the dimension of the whole. Let's use an apple as an example. As time changes, the dimensions of the apple change (which can be understood through relativity). However, the quantum dimensions inside the apple do not change; what changes is the proportion of quantum quantities (the ratio of positive to negative energy).**

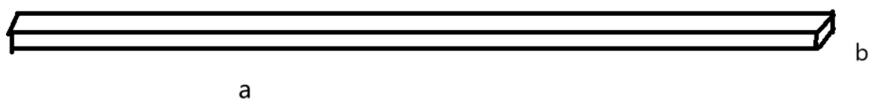

Figure 16.

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A kind of energy a is defined as positive energy. Actively generated energy a and passively generated energy a may be completely opposite to the change of dimension. Passive generation is to achieve the dimensional balance of the substance itself（Non-collision residual energy）, which will not change the nature of energy a. However, the active generation may be to achieve a new overall dimension balance under the influence of the surrounding environment. That is, the difference in integrity will also affect the positive and negative nature of energy（Collision residual energy）.

It is assumed that there are substance a and substance b (the energy form is completely random), and there is a chance to form a dimensional balance when the two substances are in contact and coexist for a long time. One of the two substances is positive energy and the other is negative energy. Although stable, the two substances are in collision with each other. The essence of mutual attraction between positive and negative may be to seek stability through collision, and the essence of same-sex repulsion may be to accelerate the destruction of stability and move in the opposite direction（**The effect of collision is to increase dimension, while repulsion can be understood as not to increase dimension.**）. Explain the relationship between special positive energy and negative energy : for general positive energy, negative energy can indeed be generated to achieve dimensional balance. For example, self-confidence is a kind of positive energy (may also be a collection of energy), is an important part of human dimension. But not all self-confidence can reach the dimension**. When we define an energy type, we should not only follow the name and composition of energy, but also consider the location of energy in time and space. For a longer motion space, the positive energy at some moments will move in the direction of stronger positive energy.** For example, a little thought and very thought may be the same kind of energy, but the results are completely opposite. A little want to show that there will be no collision, but will move in the same direction. And very much want to collision may happen soon, move in the opposite direction. **Its essence is that macroscopic matter or larger whole dimension is higher and it is not easy to upgrade the dimension (it takes some time).**

The formation and dissipation of the remaining energy and memory are similar, but no extra substance is formed. This energy is stored information and algorithms. The algorithm can be understood as the effect of the remaining energy of the collision on the matter. Do not generate physical objects, only have an impact. Suddenly a part of the dimension rises in the big whole and this situation often occurs. Because the dimension balance will lead to the complexity of the dimension combination in the whole, the general situation is that the low dimension produces the fixed direction of the high dimension, **but due to the collision residual energy, there will be a situation where the high dimension is first generated and then the low dimension is driven,** as shown in Figure 17. In this way, we can express the different views of artificial intelligence. Generally, we think that the reason why AI is not conscious is the lack of ' self-consciousness ', but according to my understanding of computers, I think AI is like collision residual energy（The algorithm is a method of dimension change, and the control algorithm is the residual energy of the collision, but the residual energy of the collision needs the previous vibration direction to work）. But the AI only contains the high dimensional collision residual energy. That is to say, AI may be an immature consciousness（It doesn't reach true consciousness）, but AI has no dimensional substance that can be balanced. Human imagination cannot be separated from the real world. The human brain needs to balance the body and the surrounding environment , but AI cannot find its carrier. The machine we usually think of is not the carrier of AI (not the whole). **Therefore, the carrier of AI should include the human brain that designs AI. The reason behind this is that humans not only have matter but also use low dimensional collision residual energy. Because what we consider consciousness is actually a combination of infinite dimensions, only the high-dimensional collision residual energy can obtain low-dimensional collision residual energy. Note that low-dimensional collision residual energy cannot be replaced by matter, as the first few dimensions of matter have already reached integers. Only in this way can there be an infinite number of dimensions or an uncomputable dimensional balance process.** This may be a future trend or a new thing instead of the old thing. Because with the increasing power of AI, the brain 's collision residue

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seems to slowly disappear (probably not related to AI, but the previous collision residue automatically dissipates). That is to say, it may be the coexistence of human and AI in the future. This is not sad, or this is also a way to recover the residual energy of the collision, but it is certain that the current artificial intelligence can not be integrated with human beings. Or we should let these two kinds of energy merge together instead of expecting artificial intelligence to be independent.

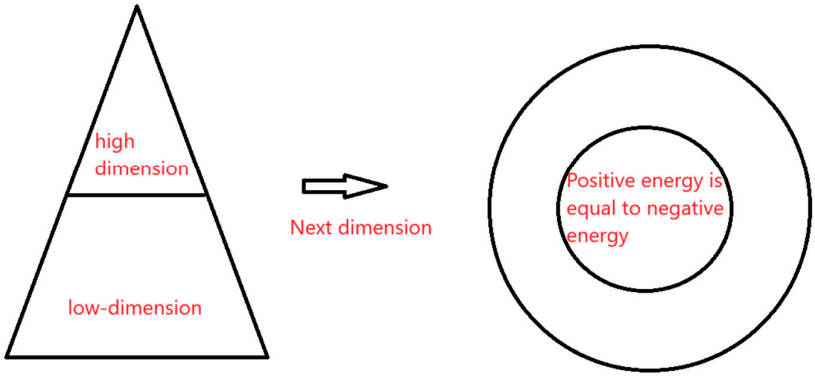

Figure 17.

First of all, race and country are two different wholes, and the dimension comparison between countries cannot be judged only by the difference of race. Don 't want to bring more misunderstanding. For the country, ordinary people are the lower side of the dimension（Of course, because Figure 2 is not all ordinary people. It is also related to the collision mode. I think that maybe the dimension of the yellow people is slightly higher (in some ways), and the yellow people prefer to think to reduce the dimension. It must be said that I do not want to express racial discrimination. How can more positive energy be a disadvantage ? And it is still the energy we should aspire to (Up the dimension). Obviously, yellow people have a higher average IQ, but not many of the smartest people. The reason is that the internal dimension difference of the high dimension is smaller. It can be understood that the unit with the highest dimension may exist in the low-dimensional whole. From this we can judge that the ancients may have our unimaginable wisdom, and we may not be proud of it. Although they don 't want to be calculated and observed like modern science, some people 's imagination and energy should be greater than those of us who lack the residual energy of collision. Or we can find new knowledge from these experiences. Here is a little bit about life expectancy : although people will appear sluggish in old age, the body is not strong., but for people as a whole, the whole is certainly ascending dimension. Therefore, people with higher dimensions have a higher life expectancy (not easy to upgrade). However, due to the dimensional balance generated by the residual energy of the collision, there will be a large difference in the internal dimensions of some high-dimensional people, so these people can still quickly increase the dimension. Of course, I did not consider the cells or small whole that determine life. This is not rigorous. Can only be used as a reference. Speaking of human beings, I want to express that the birth of human beings (life) is indeed special, which requires a lot of collision residual energy, which is unimaginable. We can often hear that people do not feel the meaning of life, but this meaning can not be known by us, but directly guide us to do something. If known, it may mean the change or end of meaning. Because knowing or expressing the future, this is the effect of collision residual energy gathering into high-dimensional matter. That is, the residual energy of the collision that affects the future collides. In this way, the residual energy of the collision will undergo other reactions, and the result will be unstable, or the linear equation does not exist.

The higher the dimension, the faster the speed, for humans can be understood as the stronger the endurance. Relative explosive force is low. However, the influencing factors of endurance are not

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only the level of the overall dimension. The difference between people is very small, and the total amount of positive and negative energy is almost the same. If a person doesn 't like to think at ordinary times, but encounters difficult problems, then he is likely to gain more wisdom than the person who loves to think at ordinary times. Or this person has greater wisdom in other ways. So many geniuses usually look ' not very smart '. Of course, if you don 't think all the time, it may also be that the energy in this direction is too weak (but this also means that the energy in other directions is strong). Because the collision residual energy can produce many complex collision directions, and positive energy first brings negative energy. but the basic physical laws and positive and negative oppositions will not change.

The lower dimension has more positive energy. Women should be the higher dimension side, and men are the lower dimension side. **For germ cells, men have the lowest germ cell dimension, and women have the highest germ dimension.** It is assumed that there are positive energy material a and negative energy material b. If there is no residual energy of the collision, the substance a can attract each other with any negative energy. **However, the remaining energy of the collision can fix a and b in a whole.** That is to say, the reason for the attraction is the difference between positive and negative energy, but the reason for the integration of the two substances is the residual energy of the collision (dimensional balance).

However, the dimension does not completely determine the positive and negative, because from Figures 3 and 4, we can know that a substance contains two forms of energy. Because all the whole is more positive energy, and the positive and negative difference is only based on the whole as the reference system. The first collision of the universe includes the energy of the first collision of each independent whole. The energy of the first collision does not come from the whole, but from the outside, that is, the energy generated in the first positive direction gives the whole rather than the part of the dimension increase. With the balance of dimensions, two different positive and negative energies of the whole are produced. When calculating the positive and negative energy, we should consider the difference between Figures 3 and 4.**For example, a large number of women do not want to huddle together to communicate, but three or two women can become friends. We must consider more complex.**

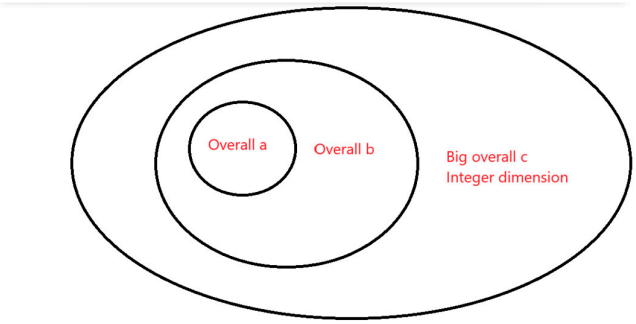

Figure 18.

Since positive energy represents aggregation and negative energy represents dispersion, the gas dimension is higher than the liquid dimension, and the liquid dimension is higher than the solid dimension (not absolute).

The world brought to us by the digital age is a complete substanceism, but in reality, there may be some parts that cannot constitute substance but do exist. Our imagination seems to be non-existent in the real world, but is the energy in the universe, and we can 't see it（Here we think of imagination as the residual energy of the collision, but this is actually the effect of the residual energy of the collision. The real energy is information）. Or there are many people think that ' God ' exists, the reason is that God ' manifest ', but we have not been able to find. There are many similar things. These energies are also a kind of meaning opposite to the real substance world. Therefore, it is possible to believe that ' God ' can exist in the real ' God '. **"God" is somewhat like a strange whole (containing**

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both ultra-low dimensions and ultra-high dimensions), not the residual energy from dimensional collisions. So humans are far from reaching this level. What can be inferred is that this energy can accelerate the process of balancing other material dimensions, which indeed resembles residual collision energy, yet it also seems to form a larger whole like the entire universe.

The direction of vibration is not determined by the dimension size, but by the position of the unit in the whole and energy distribution (positive and negative energy), so it is not easy to observe the direction of vibration. However, we can calculate the vibration direction of the unit from the position and motion direction of the unit (ascending dimension direction). This is the same as the wave function collapse. Generally, we think that for the same whole or structure, we will get different answers from different angles, so we think that the whole answer is not unique. However, the fact may be due to the different vibration directions will produce different position distribution, that is to say, we can observe the position distribution of the same material from different angles. Because the totality, including the current universe, is not exactly equal in positive and negative energy (all angular dimensions are equal). Such a whole will have a complex dimensional balance, and the observation behavior can be regarded as forming a dimensional balance between the two. By the way, the wave function collapse is explained by the observer behavior : the overall dimension balance is caused by the collision residual energy in the large whole. So each quantum has its own direction of vibration (position or wave function). However, the observer behavior can be considered as a strong collision residual energy, which will lead to a strong dimensional balance between the two units. At this time, the position information of the two units will be clearer (dimension balance). So the quantum will immediately collapse into a state. Of course, because quantum belongs to micro-matter (high dimension, and single dimension), it is more likely to have a greater impact. But the effect on macroscopic matter will be much weaker.

If it is not easy to understand, we can carry out a thought experiment : two people along the opposite direction, the two people have not yet met, when the two people observe each other can only observe the front of the human body. When two people pass by each other, observe again, at this time can only observe the back of both sides. At this time, one of them turns around and observes again. Although the observation between the two people is disrupted, the dimensional change between the people and the surrounding environment can offset this anomaly. This means that as long as the environment is large enough and not subject to external interference, the internal environment always maintains a dimensional balance. It is not the interaction between energies that maintains this balance, but the overall dimension of the collision residual energy balance. **Therefore, different angles of a small whole will have different positive and negative energy composition, but it does not affect the internal dimension balance of the large whole, but promotes the dimension balance.** So we can think that the observation behavior is a kind of collision residual energy. For us, the observation behavior of human beings puts us in the alternation of dimension increase and dimension reduction (overall dimension increase). This phenomenon leads to the fact that all parts of the universe will not develop alone, but a perfect balance of dimensions. In order to achieve this ideal dimensional balance, **the universe must have boundaries and infinite zero-dimensional points.**

People with high dimensions may have low national dimensions, and different things cannot be confused. Or smart people love to think, but the smartest people may not be the most thinking people. Smart people are kinder but a little smart people may not be kind (We must consider the residual energy of the collision that this unit can obtain at present, so as to judge its location.). These not rigorous content should not have appeared, but afraid of misunderstanding by ordinary people. **The description of the small whole still cannot rely too much on the basic theorem. The judgment of positive and negative energy can not rely too much on feeling. These descriptions only provide inspiration, the real process is very complex, not a simple basic theorem can be explained.**

First of all, I want to explain a misunderstanding : not a vibration direction represents a dimension. A new integer dimension means that a new collision occurs when the positive and

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negative energies of the previous dimension are completely equal. But it is true that the positive and negative energy is completely equal to produce vibration in the new dimension.

I summarize the reason why gravity cannot be quantified : the essence of gravity is the total mass of the new dimension (the new dimension here includes all the new dimensions). **(Zero-dimensional collision residual energy - one-dimensional matter = one-dimensional collision residual energy = one-dimensional gravity = two-dimensional matter + two-dimensional collision residual energy)** The reason why general relativity cannot integrate quantum mechanics is that gravity does not have zero-dimensional points and is not a specific substance. That is to say, gravity can be transformed into space and time (time comes from collision velocity). Because general relativity can only describe the influence of gravity, it cannot substanceize gravity. But I think quantum mechanics can not describe gravity specifically, because the composition of the universe is substance + non-substance energy. Therefore, quantum mechanics and general relativity do not need to be integrated at all, but to be used together. If we must understand the difference of gravity, we can use the energy of only positive energy in natural philosophy. Many people think that theoretical science should be separated from philosophy. However, human society is only a little more collision residual energy, which will lead to accelerated dimensional changes. In fact, it is easier to find some hidden physical laws. **Although it is not known whether this situation has other purposes, it is of great help for us to understand or apply the universe.**

Due to the great discovery of string theory, I explain its correctness. First of all, the substance in a large whole can be roughly divided into three kinds, one is the part with high dimension, and the other is the part with low dimension. The low dimension is divided into positive energy and negative energy. **The reason why the high dimension is not separated is that the difference between positive and negative energy is small, which can be understood as a class. However, it does not mean that the overall dimension with large internal differences must be low. The comparison dimension is a unit within an overall.**

If we randomly compare the two energies, we may think that the overall performance of the positive energy is more shown as Figure 3, and the negative energy is more shown as Figure 4. This comparison is only for two units (or two independent units) that have not yet achieved dimensional balance. But if the residual energy of the collision is enough to form a whole of the two. Then this analysis will be fundamentally different : **the definition of positive energy is the first direction of vibration, not the energy state at this time. For example, there are two parts of a large whole : high dimension and low dimension.** In these two parts, it is assumed that the existence energy a is the high dimension energy in the low dimension part. Or the negative energy in the positive energy. The existing energy b is the positive energy in the negative energy.At this time, the dimension of energy a may be more or more negative energy. However, when the two energies are compared, the energy a is still Figure 3, and the energy b is still Figure 4. To understand this concept, we must know that the role of dimensional balance is to concentrate all energy in a unit space. The energy in a unit space should consider the direction of the first vibration. At this time, a and b are no longer the energy in two spaces.

The two spaces form a dimension balance and then become an independent space. At this time, the process of overall dimension increase and overall dimension reduction is similar to the basic principle of topology. Because the positive and negative energy are generated in a space at the same time, or the dimension and dimension reduction are generated at the same time. But it can only express one of them, and the other form can not be expressed, but it still exists internally. So the general material is topological structure.

Then back to the string theory : because the lower dimension of the substance can be understood as the composition of countless high-dimensional substances, so the lower the dimension of the substance volume is relatively large, of course, the volume of substance factors not only this, can only be used as inspiration. String theory may seem one-dimensional, but it may not be. From now on we need to change : we used to think that the smaller the unit closer to the inside, this single way of understanding. That is to say, string may be a four-dimensional substance (this can be understood

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by referring to Figure 15). **Three-dimensional substance can indeed be understood as four-dimensional substance composition (including the five-dimensional membrane can form four-dimensional strings).**

To explain the difference between string theory and loop quantum gravity: Loop quantum gravity only considers unit space, not dimensional equilibrium. Therefore, energy can only describe matter. Therefore, it can be considered that the remaining energy from the collision has not formed matter. However, this limitation is relatively large, because the premise background (or development direction) cannot be found. This is a little hard to understand, but simply put: you can't tell the low dimensional matter without knowing the high dimensional matter. String theory, on the other hand, only considers matter to be able to get around this problem (consider the background, but leave a fixed space background). But string theory has its own drawbacks: we say that three-dimensional matter can be understood as composed of an infinite number of four-dimensional matter. But this is only an approximate description or it can only describe integer dimensional matter, and describing it in terms of integer dimensional matter creates multiple solutions. Because the background space formed by non-integer dimensions is not clear, this leads to many possible backgrounds for string theory. Because string theory does not know the collision residual energy of the previous dimension (equivalent to the zero dimensional point raised to the one dimensional point, if you do not understand the energy type of the Big Bang, only consider the size of the energy can not completely understand the energy characteristics of the first big bang). That is to say, string theory only considers matter and does not consider the multiple solutions of energy before the formation of matter. To sum up, the first theory lacks matter (three-dimensional to four-dimensional matter), but can describe the remaining energy from collisions (gravity). The second lacks energy (the residual energy of the collision that forms four-dimensional matter). While it can describe matter (describe three-dimensional matter), it cannot determine the type of residual energy of the collision. As for the number of dimensions in string theory, it's not really a drawback: let's leave out the time dimension (time itself is the spatial dimension of the future, or belongs to the state of macroscopic motion). The Kalabiyu flow is a description of how positive and negative energy needs to connect head to tail when the dimension goes up to an integer dimension. At this point, one dimension will curl into two dimensions. However, if the curled dimension is further increased to the next dimension at this time, the newly added dimension can still move in the first three dimensions (but it does not look like the original dimension, but in fact it is still the original dimension. It just does not continue to develop from the original dimension but develops again. This is difficult to understand). At this point the dimensions of string theory can be reduced to 6 + 3 + 1. Another way of understanding is easier: the other spatial dimension is just background space or can be understood as one of the eight previous ways of composition (one combination can add a degree of freedom, which is also difficult to understand) and two additional time dimensions are required. So you can also think of it as 8 + 2. If you don't use the Calabi-Yau manifold in theory M, it's simply understood as adding another dimension to become 6+4+1 or 8+3 but at this time there is only one or three time dimensions (because membranes and strings are different, the dimensions change again). This is the most difficult part of the article to understand, requiring an extremely comprehensive physical idea. The physical idea in this paper does not fully describe the process.

For macroscopic problems, we can use group theory to understand, but it is difficult to have a fixed state of motion with complex collision residual energy. The previous article generally considers the changes of positive and negative energy and dimension, but there are many forms of energy that we can not grasp. **One dimension can be understood as positive and negative two coordinate axes, then the three dimensions can be understood as eight symmetry axes (number of combinations ： 2^3). This understanding is that the first three dimensions do not reach the integer dimension of matter, and I think it is possible. But this is also the way of combining after three-dimensional matter has formed, or it can be understood as the future direction of vibration. Before matter was formed, there were only four combinations: 2^2. There is also a special source of power that controls the dimensional balance between matter. These are the residual energies from low-**

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dimensional collisions (low-dimensional collision residual energy can produce high-dimensional collision residual energy). Therefore, low-dimensional collision residual energy can be roughly understood as dimensional balance. So it can also be understood as five combinations. However, after matter is formed, its low-dimensional collision residual energy has already turned into the previous four combinations. Thus, there is no longer low-dimensional collision residual energy, or it can be temporarily disregarded (not showing significant effects, or having been converted into the complete four combinations rather than any single one). Of course, these things don't work, because there has to be low dimensional collision residual energy, which is not generally available in matter. But we still can't judge positive and negative energy too narrowly. For example, the left side of the body is a positive energy part, but this explanation may not be good. Because not every person 's left side is positive energy (this requires careful thinking and is not explained here), it does not mean that every part of the left side is positive energy. Only the whole belongs to positive energy.

Discuss a magical guess : we know that the residual energy of the collision is easy to disperse, so for a person 's life, is it possible that the residual energy of the collision has been dispersed ? **This explanation is easy to understand : it is converted from one collision residual energy to another collision residual energy. Therefore, for human beings, the more the residual energy of the collision, the shorter the life expectancy.** This is just a guess, don 't want to do too much analysis.

Finally there is a more dangerous doubt that I think must be expressed : there is so much collision residual energy on the earth, why is there no gravity anomaly ? After the collision residual energy accumulates, it will be dispersed, and the dispersion will affect the whole. In fact, after dispersion, gravity does not exist, but transforms into high-dimensional substance (between three and four dimensions). Therefore, high-dimensional substance can be understood as ' collision residual energy '. Simply put, people or creatures are the gravity of the earth. Of course, we also need to give up the simple understanding that gravity is an attraction. We use motion and dimension to understand gravity. Therefore, the reason for the danger appears : the residual energy of the collision will be dispersed, so if humans want to continue to exist, they may need to continuously accumulate the residual energy of the collision. Because I feel that the residual energy of human collision is gradually decreasing, whether it is innate or acquired, it is slowly losing. If we simply compare human beings to gravity, then the birth of human beings is equivalent to the accumulation of collision residual energy, and the life of human beings is equivalent to the dispersion of collision residual energy. At this point, there is an idea that should not have appeared: we can view life as a task, one that can be understood as generating more collision residual energy. This is not just for our own dimensional balance; it may also be related to the entire universe. The universe needs a lot of collision residual energy (unformed matter) to counteract the initial "Big Bang." As we age, the amount of collision residual energy we can generate decreases. However, it is clear that humans or Earth can produce a significant amount of collision residual energy, and this ability should not be lost. Young children are more likely to generate collision residual energy, which represents new collision residual energy. Therefore, we cannot let this new hope fade away. Of course, this does not mean we should strongly support reproduction, as this could lead to an overly rapid elevation in dimensions, potentially causing us to lose this ability (the reasons for this are not detailed here, as they are difficult to understand).

In order to prevent some racial discrimination : there are some differences between human beings and ordinary substances, human beings have a lot of collision residual energy, which makes the uneven distribution of collision residual energy more obvious. I still use the yellow people as an example. If the yellow people have a higher dimension, does it mean that the internal dimension is less different ? This is two questions, one of which is to understand the internal dimension difference of an independent person. It seems to be complicated : the more residual energy of the collision may mean the greater the difference in the internal dimension, but the larger the internal difference should be the lower the dimension. In fact, it is not necessarily that I rarely discuss the distribution of collision residual energy of different units in a whole. This comparison method is only suitable for relatively

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large overall and relatively single collision residual energy. However, human beings are different, and their dimensional changes are more generated by the collision residual energy generated by each unit than by the whole. In other words, the collision residual energy of the whole human large group is not much, and more collision residual energy is concentrated in the individual. In simple terms, this will produce a special structure with high dimensions and large differences in internal dimensions. Of course, this difference may be special, not like a simple material difference, but more like an internal energy difference in an independent unit. It may be a structure like the one shown below（It's not unique to yellow people, it's more like it's unique to humans, maybe because the higher dimensions cause the collision of low dimensions to intervene with the residual energy）. This does not mean that the unit with high dimension is positive energy, it is still negative energy. To sum up, due to the excessive residual energy of the collision, the dimension is high but does not mean that the internal dimension difference must be small. It should not be the acquired balance of dimensions. Because the acquired dimension balance should form a new whole outside the whole (non-integer dimension ascending process), rather than inside the original whole. So the source of this positive energy is not clear. And it can also be judged that this energy should be low-dimensional (internal), and not an integer-dimensional material (with specific space and positive and negative energy imbalance). Because the structure is not unique, it's a bit like the structure of the entire universe. However, it is certain that the difference is not obvious, so sometimes it can be ignored. Don 't define it before exploring human beings without professional measurement tools. Prevent unnecessary racial discrimination.

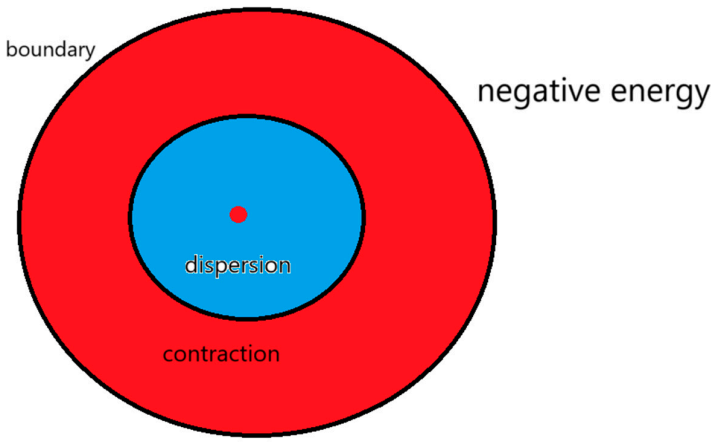

Figure 19.

This situation differs from the universe; the low-dimensional collision residual energy within the human body is unstable and dissipates more quickly (seemingly not originating from the first cosmic Big Bang). However, there is a method to explain it, albeit somewhat complex: imagine the universe undergoing a process of ascending from zero dimensions to infinite dimensions. At this point, the universe is in an infinite dimension. Beyond this universe, there are countless other universes. Thus, our universe has only ascended one dimension (all universes have ascended only one dimension). All universes will then ascend again, with the high-dimensional collision residual energy accumulating for our universe (let's assume this for now; in fact, it could also accumulate for other universes. That would also produce a big bang). At this moment, our universe undergoes a "Big Bang," but before the Big Bang, our universe had a bit of residual collision energy (there will still be residual energy after infinite dimensions). This residual collision energy will remain within the universe. However, this does not mean that these energies do not move; they will enter some zero-dimensional points (at this point, the interior of the zero-dimensional points is a new universe, containing infinitely many infinitely small new zero-dimensional points). The residual collision

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energy will once again elevate these new zero-dimensional points to higher dimensions. I don't recommend considering this explanation, but it just shows that the birth of life is possible and doesn't need to be adopted. I personally don't like this infinite loop.

If there is a central low dimensional collision residual energy, then it can also be concluded that a small amount of high dimensional collision residual energy is more likely to accumulate in the lowest dimension people, and a large amount of high dimensional collision residual energy is more likely to accumulate in the highest dimension people. Because low dimensional collision residual energy can produce high dimensional collision residual energy, a high dimensional unit may still have more collision residual energy. However, this situation will cause the unit to rise in dimension too fast. Hether the specific center can form positive energy is still uncertain（**Its origin is uncertain, it could be left over from the last formation of the universe, it could be left over from the initial Big Bang instability, or it could be a property of dark energy. But it's almost certain that this kind of energy exists in the human body or on Earth**）, because this is not like a single-dimensional structure (three-dimensional to four-dimensional). This also leads to more complex movements of energy, but it won't change the end result.

The transition from one integer dimension to another requires countless new vibration directions. This is actually a very complex process. Since we know that the randomness in quantum theory disappears when other dimensions interfere, does this mean everything has a fixed direction? Not exactly: for example, if someone is gifted in certain areas, does it mean they will pursue work in those fields? In fact, it's probabilistic. This process must satisfy dimensional balance. That is, they might or might not engage in related work. Both probabilities must exist to represent two opposing energy changes (dimensional ascent or descent). After reaching an integer dimension, whether a gifted person will definitely or definitely not pursue work in those areas can be understood through tasks. Every matter or energy has its own task, some requiring dimensional ascent and others requiring dimensional descent. This leads to completely identical matters having different futures. However, the total number of tasks is fixed. The distribution of tasks is hard to predict. Microscopic quantum phenomena are relatively easier to predict, but the macro whole has too many small wholes to predict. This does not represent randomness; it just cannot be calculated.

Low-dimensional collision residual energy differs from high-dimensional collision residual energy; its form of energy should not be directly discussed. It contains both positive and negative energy, similar to the positive and negative energies of matter. Its primary function is to generate matter, so the form of energy can be disregarded. Moreover, the contrast between positive and negative mainly expresses the opposition of certain processes (relative). If we have to start from the form of energy, then the residual energy of low-dimensional collision belongs to the internal positive energy, because it generates a very low dimensional material. And the residual energy of high-dimensional collision belongs to the external positive energy. Matter with higher dimensions (assuming the matter is extremely large, as it must include the Big Bang at the beginning. This description may be somewhat inappropriate, akin to all one-dimensional to two-dimensional matter or all two-dimensional to three-dimensional matter, such a large whole can possess low-dimensional collision residual energy.) has more low-dimensional collision residual energy（The premise is that there is residual energy from low dimensional collisions）. Matter with lower dimensions has more high-dimensional collision residual energy. The coexistence of residual energy from collisions across different dimensions leads to the coexistence of matter in these dimensions. This results in particle iteration, where the residual energy from zero-dimensional collisions can directly produce three-dimensional matter, and the residual energy from one-dimensional collisions can also directly produce three-dimensional matter. There is an interesting phenomenon regarding particle iteration issues, as mentioned earlier, forming organisms requires five combinations. This includes low-dimensional collision residual energy, which can combine with high-dimensional collision residual energy to form new matter or determine existing matter. Multi-dimensional connections lead to the

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iterative effects of matter. In other words, we do not consider energy but only the types of matter (directly converting energy into matter). At this point, the combination methods can also be written in the form of 4×3=12. That is, each major category among the four large categories will have three similar subcategories. Of course, these combinations are only approximate expressions and are not rigorous（Because a vibration direction may consist of an infinite number of vibration directions, it is not rigorous to describe the result without considering the process）.

In addition, there is the super-symmetry principle favored by physicists, where bosons are more like two directions of dimensional balance within matter. Therefore, bosons generally contain only one form of energy. However, this does not mean that spin can only be 1 (there may be single energy types in multiple directions, so it is more often directional). Other integer spin values also exist, but they usually do not exceed three. We can think of bosons as a zero-dimensional point (three dimensions) inside matter, and photons as a zero-dimensional point (four dimensions). The eight combinations mentioned above determine the types of gluons. However, photons belong to the integer dimension and can only exist in one form. Fermions, on the other hand, are more akin to the material level (many zero-dimensional points), requiring a half-integer spin quantity (satisfying the dimensional enhancement method in Riemann's conjecture, thus more often balancing positive and negative energies. Therefore, fermions should correspond to bosons. However, it is important to note that the types of elementary particles are fixed, determined by the residual energy from low-dimensional collisions, while other dimensions can be achieved simply by changing the number of elementary particles. Or I could explain it as elementary particles not being fermions but zero-dimensional points, so supersymmetry is not about types but quantities. The Higgs boson can be roughly understood as a combination of high-dimensional collision residual energy and low-dimensional collision residual energy (or simply as a combination of low-dimensional collision residual energy).

The ideas in the paper are more inspirational, and the real process is very complicated. But often the inspirational ideas can simplify many complex problems. Although not comprehensive, it is still possible to find the right direction to solve the problem.

Acknowledgments: I express my sincere gratitude to all the individuals who provided assistance and support during the course of my research. It is my aspiration that my paper will be of assistance to a wider audience.

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