

## IKOSOLID Universe

## with the open gate of BLACK Hole \＆WHITE Hole The 90 degree topological transformation with IKOSOLID

That to make the real number an imaginary number through the gate of BLACK Hole or to make an imaginary number the real number through the gate of WHITE Hole is done by the 90 degree topological transformation which depends on IKOSOLID as a conductor．
The reference：The paper The $\mathbf{9 0}$ degree topological transformation with IKOSOLID http：／／koeiikuyo．web．fc2．com


K．I．DIAGRAM of the length and the side for IKOSOLID Universe

| 9 | 1 | 8 | 8 |  |  |  |  | 8 | 8 | 1 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4 | 5 | $\varepsilon$ | 3 | 7 | d | 2 |  | $\varepsilon$ | 3 | 2 |  | d |
| $\tau$ | 6 | $\rightarrow$ |  | $\delta$ | 5 | $\tau$ |  |  |  | ¢ |  | 5 |
| $\stackrel{1}{5}$ | ？ |  | 4 | 9 | 2 | $s$ | 9 |  |  |  |  |  |
|  | 7 | $\varepsilon$ | 3 | 5 | 7 | F | ट | $\varepsilon$ | 3 |  |  |  |
|  | $t$ | 8 | 8 | 1 | 6 | a | 1 | 8 | 8 |  |  |  |
|  | 1 | 8 | 8 | 1 | é | 9 | 1 | 8 | 8 |  |  |  |
| $t$ |  | $\varepsilon$ | 3 | 2 | s | L | 5 | $\varepsilon$ | 3 |  |  |  |
| $\tau$ | 6 |  | ＋ | ¢ | $\delta$ | $\tau$ | 6 | ＋ |  | d | 5 | 5 |
| $s$ | $\rho$ | $+$ |  |  | 2 | s | 9 |  | 4 | $?$ | 2 | 2 |
| F | 己 | ह | 3 |  |  |  | 2 | ह | 3 | 5 |  |  |
| a | $t$ | 8 | 8 |  |  |  |  | 8 | 8 | 1 | $\underline{6}$ | 6 |
| 9 | 1 | 8 | 8 |  |  |  |  | 8 | 8 | 1 | ह | ह |
| $t$ | 5 | $\varepsilon$ | 3 |  | S |  |  | $\varepsilon$ | 3 | 5 | 5 |  |
| $\tau$ | $\overline{6}$ | 万 |  | ¢ | 5 | 乙 |  |  |  | ऽ |  |  |
| $s$ | Q |  | 4 | 9 | 2 | S | 9 |  |  | 9 |  |  |
|  |  | \＆ | 3 | 5 | 7 | F | こ | $\varepsilon$ |  |  |  |  |
|  | 1 | 8 | 8 | 1 | 6 | a | 1 | 8 |  |  |  |  |
|  |  | 8 | 8 | 1 | ē | 9 | 1 | 8 | 8 |  |  |  |
| 2 |  | $\varepsilon$ | 3 | 2 | d | $t$ | 5 | $\varepsilon$ | 3 |  |  |  |
| $\tau$ |  |  | $\dagger$ | ठे | J | $\tau$ | 6 | － |  |  |  |  |
| $s$ | 9 |  |  | 2 | 2 | s | ¢ |  |  | 9 |  |  |
| F | ᄅ | $\varepsilon$ |  |  | 7 |  |  | ع | 3 | 5 | 7 | 7 |
| a | 1 | 8 | 8 |  |  |  |  | 8 | 8 | 1 | 6 |  |



REAL IMAGE PICTURE
The symmetricalness，the upper and lower symmetry \＆both side＇s being the same

All polygonal lines become the symmetry of mirror．

## PENROSE DIAGRAMS of various black hole solution

File:PENROSE2.PNG

K.I. DIAGRAM of the condition of the multiple two dimensions body $=$ The original form of IKOSOLID in case of nonlinear connection in the condition of the phase of 90 degrees $=$ The cross of the flyover condition. The reference: The paper Study of connecting point with three-dimensions and four-dimensions by pictorial art Part 8 http://koeiikuyo.web.fc2.com


## Nonlinear $\Rightarrow$ Linear Connection

This connection becomes IKOSOLID with the feature of the 90 degree topological transformation and makes the gate of BLACK Hole \& WHITE Hole open! When this gate opens, a particle and an antiparticle can join without pair-annihilation in case of linear connection in the condition of the 90 degree phase
K.I. DIAGRAM of IKOSOLID Universe with the open gate of BLACK Hole \& WHITE

Hole in case of linear connection in the condition of the 90 degree phase
IKOSOLID is the solid magic square: REAL IMAGE PICTURE of numbers circulates in the endless condition with one pair mirror on this IKOSOLID.


## The applicability of IKOSOLID as the conductor:

That to make the real number an imaginary number through the gate of BLACK Hole or to make an imaginary number the real number through the gate of WHITE Hole is done by the 90 degree topological transformation which depends on IKOSOLID as a conductor. Reference: Paper Unification of the Electromagnetic Willpower and Gravity of Four-Power of the Space : Proof by (1)~(4) in K.I. website

All polygonal lines become the symmetry of mirror.
The place of particle is in the surface on upper section of IKOSOLID.

This right angle isosceles triangle is the gate of BLACK Hole \& WHITE Hole. Yes, the gate is open! When this gate opens, a particle and an antiparticle can join without pair-annihilation . section of IKOSOLID
K.I. DIAGRAM of the plane magic square divided in 2 (left)
K.I. DIAGRAM of IKOSOLID Universe as a solid (right)

K.I. DIAGRAM of the condition of the multiple two dimensions body $=$ The original form of IKOSOLID in case of nonlinear connection in the condition of the phase of 90 degrees (left)

## K.I. DIAGRAM of IKOSOLID Universe as a solid (right)

 with three-dimensions and four-dimensions by pictorial art Part 3 http://koeiikuyo.web.fc2.com

PENROSE DIAGRAM of an infinite MINKOWSKI UNIVERSE


## K.I. DIAGRAM of time and space

That to make the real number an imaginary number through the gate of BLACK Hole or to make an imaginary number the real number through the gate of WHITE Hole is done by the 90 degree topological transformation which depends on IKOSOLID as a conductor.

Verification: It verifies $\mathrm{E}=\mathrm{mC}^{2}<\mathrm{E}^{\prime}=\mathrm{m}^{\prime} \mathrm{C}^{2,}$ or $\mathrm{E}=\mathrm{mC}^{2}>\mathrm{E}^{\prime}=\mathrm{m}^{\prime} \mathrm{C}^{2,}$
It verifies that IKOSOLID changes $\mathrm{C}^{2}$ to $\mathrm{C}^{2,}$ and changes m to $\mathrm{m}^{\prime}$

## K.I. DIAGRAM of Change from $\mathbf{C}^{2}$ into $\mathrm{C}^{2,}$

 $=$ Change of the quality of the timeThe reference: The paper Study of connecting point with three-dimensions and four-dimensions by pictorial art Part 6 http://koeiikuyo.web.fc2.com
C

Surface is $\mathbf{C}^{2}$
$\mathrm{C} \times \mathrm{C}=\mathrm{C}^{2}$


Divide the square into 16 . This is called plane Magic square


Divide it in two


Make this shape in a three-dimensional cross


Connect each neighboring two sides. Then, one IKOSOLID appears

## IKOSOLID



The squares made by equal 16 division lost their out-sides and connected. It is three-dimensional Magic square, which is called $\mathrm{C}^{2 \prime}$

Change from $\mathrm{C}^{2}$ into $\mathrm{C}^{2,}$ was realized.
Change of the quality of the time was realized.

## K. I. DIAGRAM of Change from $m$ into $m^{\prime}$ = Change of the quality of the space

The reference: The paper Study of connecting point with three-dimensions and four-dimensions by pictorial art Part 6 http://koeiikuyo.web.fc2.com

## Verification

Verification that IKOSOLID changes $m$ to $m$ '. (Refer to "Study of connecting point with three-dimensions and four-dimensions by pictorial art Part 5")
$m$ is three-dimensional volume energy, which is changed into m' (septimal notation structure of $1: 6$ ) by changing six faces of volume energy ( m ) of the cube (=crystal cube) into six dots.

$\mathrm{m}=$ crystal cube (cube)


Field of Torus $\mathrm{T}^{2}$ (=bit)
$\circ$ : six faces


Field of Klein's bottle(=qubit)

- : one


Connection of the theld of Klein's bottle (=qubit) • and the field of Torus $\mathrm{T}^{2}(=\mathrm{bit}) \circ$
Septimal notation of "1:6"


The six faces of the cube (m) become 6 dots. Dot has no area and volum.


## The All tips of IKOSOLID become m'.

Change from m into $\mathbf{m}$ ' was realized.
Change of the quality of the space was realized.

It verified that IKOSOLID changes $\mathbf{C}^{2}$ to $\mathbf{C}^{2,}$ and changes m to $\mathrm{m}^{\prime}$.
It verified that IKOSOLID changes the quality of the time and the quality of the space.
$\mathbf{C}^{2}$ maximal-izes on the surface of IKOSOLID and $\mathbf{m}$ does a minimisation at the tips of IKOSOLID. And it verified $E=\mathrm{mC}^{2}<E{ }^{\prime}=\mathrm{m}^{\prime} \mathrm{C}^{2}, \quad$ or $\mathrm{E}=\mathrm{mC}^{2}>\mathrm{E}^{\prime}=\mathrm{m}^{\prime} \mathrm{C}^{2}$,

As the result, that to make the real number an imaginary number through the gate of BLACK Hole or to make an imaginary number the real number through the gate of WHITE Hole is done by the 90 degree topological transformation which depends on IKOSOLID as a conductor.
The applicability of IKOSOLID as the conductor: Reference: Paper Unification of the Electromagnetic Willpower and Gravity of Four-Power of the Space : Proof by (1) (4) http:/koeiikuyo.web.fc.com
K.I. DIAGRAM of REVOLVING DOOR which replaces WORMHOLE.

REVOLVING DOOR is REAL IMAGE PICTURE that does the 720 degree phase rotation The ability of REVOLVING DOOR of REAL IMAGE PICTURE : It becomes the vehicle of particle \& antiparticle. It joins our universe and other universe with particle \& antiparticle through BLACK Hole and WHITE Hole.

The reference: The paper Study of connecting point with three-dimensions and four-dimensions by pictorial art Part 6 http://koeiikuyo.web.fc2.com

## 1/n square = REAL IMAGE PICTURE



## REAL IMAGE PICTURE

The symmetricalness, the upper and lower symmetry \& both side's being the same

As follows, $1 / \mathrm{n}$ squares are formed and function just like below. They become plane Magic square and form IKOSOLID's ( $\mathrm{C}^{22}$ ), which circuit vectors endlessly.


360 degree clockwise rotation
720 degree phase rotation
360 degree counterclockwise rotation
Completion of 720 degree phase rotation


## Plane Magic Square

Vectors of plane Magic square at the time of $n=16$
Actual endless vector movableness and 720degree phase rotation which are the connection of the beginning and the end are done only on the IKOSOLID $\mathrm{C}^{2}$. which is a solid magic square


Plane Magic Square

## TSC Toward a Science of Consciousness

STOCKHOLM, SWEDEN-MAY 3-7 2011-AULA MAGNA HALL
Consciousness Research Abstract 137 Koei Endo Ikuyo Endo Concurrent Session 16, Art-Technology Demo Exhibit

## The 90 degree topological transformation with IKOSOLID

The unifying revolution to the foundations on quantum mechanics
IKOSOLID is Artificial Crystallization and the Solid Benzene. And IKOSOLID has the ability of the 90 degree topological transformation.
At the beginning of the quantum mechanics there were several interpretations. The mainstream is Copenhagen interpretation. Besides, there are Many- worlds Interpretation, Transactional Interpretation and so on. However, because the problem of the consciousness concerns, there is not decisive interpretation in the interpretation of the quantum mechanics at present. That is, the research of the quantum mechanics and of the consciousness have important relation.
By the 90 degree topological transformation with IKOSOLID, IKOSOLID SCIENCE gives the unifying revolution to the foundations on quantum mechanics .
The state of the existence of the positron ( the antiparticle ) is in the reverse of the electron ( particle ) and in the state of 90 degree phase to electron ( particle ).Therefore, the positron ( the antiparticle ) appears obediently in the three-dimensional world by the 90 degree topological transformation and turning a face of positron to the face side with IKOSOLID. As a result the positron made by 90 degree topological transformation with IKOSOLID becomes the outbreak-effect of positron without the pair annihilation of positron and electron.There is not a 90 degree topological transformation in the positron which is formed with the actuator. Therefore, it makes the pair annihilation of positron and electron. In the way of the occurrence, the difference of the positron made by 90 degree topological transformation and the positron formed with the actuator without 90 degree topological transformation becomes very important. However, in the present age thing reason, the high-energy physics ( the elementary particle experimental physics ) is mainstream. Therefore, if adding a 90 degree topological transformation by IKOSOLID as a conductor to the actuator experiment, the revolution happens to the high-energy physics.
It proposes to introduce the 90 degree topological transformation which depends on IKOSOLID into the actuator experiment. As a result, the decisive result of the quantum mechanics which the scientist all over the world craves should appear. Our research is about electron and the positron. Experimentally on the actuator, it is possible to do an experiment on particle and the antiparticle including electron and the positron, too.

Consciousness Research Abstract 137 / The field: Quantum Neurodynamics
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