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Elements of the Mathematics of Entanglement of Elementary Particles

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Abstract

All Entanglements of Elementary Particles are Elements of upper level above normal level. Here are given mathematical fundamentals of interpretations theory (future science) and fundamentally new approach to elementary particles, energy conservation. Our dynamic mathematics explains the mechanisms of Entanglement and provides new mathematical possibilities for working with it [1-23]. Digitization of interpretations forms allows the use of digital technologies through appropriate programming. In science, there are two approaches to studying nature beyond classical science (conditionally, the (1, 1)-interpretation): the approach through quantum mechanics (conditionally, the (1, 2)-interpretation) and dynamic mathematics (conditionally, the (2, 1)-interpretation) [1, 2]. Both approaches have the same "root": $|||$, but at two opposite ends: quantum mechanics ((1, 2)-interpretation) by $|||^{-1}$by and dynamic mathematics (2, 1)-interpretation) by $|||$ and ((1, 2)-interpretation) by $|||^{-1}$ and other interpretations with using hierarchical structures of measures, some equations [1, 2]. Therefore, the conclusions are similar, but for different objects and processes. Either we take what we need from emptiness by $|||^{-1}$ or through substitution by $|||$. Let us call the interpretation formats by format-numbers and quantum levels of connections. Elements of format-numbers mathematics were considered partially [1, 2]. And for manipulating these numbers, the interpretation (1, 1) is already suitable, i.e., ordinary traditional science is suitable. This is a different approach to complex processes, not through probability. This article applies to physics and neural networks of the new direct-parallel and direct-accumulative types. For now, this is only an introductory article. The first task: to understand hierarchy of energies in the Universe and the principles of functioning of living energy (living organism, in particular, human, subtle energies), and then using these principles to "construct" artificial living energies (let's call them pseudo-living energies). It is possible to significantly expand the horizons of science, in particular physics, by studying the subtle

energies in the Universe. For this, some aspects are proposed for consideration of Dynamic Science. $self_{science}^{our\ theory}$ - science here acts as a space for the application of our theory in the self-format, i.e., any place of science, in particular physics, can act as a place for the "location" of the self. It contains itself (accommodates any action C) in any place of science. On the basis of mathematical uncertainties, new mathematical structures are formed, allowing us to describe processes and objects that are fundamentally not determined by conventional deterministic methods. Objective uncertainties in any case can mean manifestations of processes and objects that are fundamentally not determined by conventional deterministic methods. Since dynamic mathematics places the primary emphasis on the dynamics of energy, rather than on objectivity, the level of approach to studying processes expands. Many energies are indeterminate because they are based on uncertainties from the perspective of traditional science—large concentrations of specific energy in a chaotic state. The foundation of dynamic mathematics lies in working with uncertainties, which makes it possible to manipulate these indeterminate energies using direct-accumulative direct-parallel neural networks. Ordinary regular work with them in ordinary science is fundamentally unable to realize their capabilities. Therefore, singular science realized on a neural network - an analogue of the human CNS - will be much more natural. Unfortunately, we do not have funding to perform the necessary experiments and the practical creation of a technical model of such a neural network. There is a need to develop an instrumental mathematical base for new technologies. The task of the work is to create new approaches for this by introducing new concepts and methods. Our mathematics is unusual for a mathematician, because here the fulcrum is the action, and not the result of the action as in classical mathematics. Therefore, our mathematics is adapted not only to obtain results, but also to directly control actions, which will certainly show its benefits on a fundamentally new type of neural networks with directly parallel calculations, for which it was created. Any action has much greater potential than its result. Social justice is fundamentally impossible as long as education (training) is based on achieving results, and not on the process. It is time for physicists to begin studying not only the manifestations of living energies, but also the living energies themselves, which are by no means expressed through objectivity and ordinary energies, although they are capable of manifesting themselves through a lower level - objectivity and ordinary energies. We, as mathematicians, offer a new corresponding apparatus for understanding nature and studying living energies. Significance of the article: in a new qualitatively different approach to the study of complex processes through new mathematical, hierarchical, dynamic structures, in particular those processes that are dealt with by Synergetics. The significance of our article is in the formation of the presumptive mathematical structure of subtle energies, this is being done for the first time in science, and the presumptive classification of the mathematical structures of subtle energies for the first time. The experiments of the 2022 Nobel laureates Asle Ahlen, John Clauser, Anton Zeilinger and the experiments in chemistry Nazhipa Valitov eloquently demonstrate that we are right and that these studies are necessary. Be that as it may, we created classes of new mathematical structures, new mathematical singularities, i.e., made a contribution to the development of mathematics. Conventional science changes numbers. Ours changes levels by SmnSprt. Connection is fundamental to understanding our world. Everything is expressed through connections; an object (matter) is a self-connection in the form of energy closed in on itself; all forms of energy are forms of connection, information, thoughts are forms of connection, in particular, Vernadsky's noosphere is an example of this, and so on.

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Introduction

Our world is the intersection of an organic energy band and the energies of inanimate structures—inanimate material objects and the energies associated with them. Classical science begins by studying inanimate objects and their energies while studying the manifestations of living objects within the inanimate band. This is like trying to touch your ear with your toes. Classical science still cannot properly explain the unusual, let alone manipulate it. True magic (for example, according to Castaneda's books) can utilize other aspects of living energies through the Will, and not just the inanimate interpretation through the mind, as classical science does. The energy of a living being is not connected solely to the energies of the inanimate structure band—inanimate material objects and energies, which constitute only 1/600th of human capabilities. Therefore, naturally, the need for a different research approach is long overdue. The instrumental basis of science is mathematics. Without mathematics, science can only operate with words. Hence, metaphysics, with its attempts to explain the unusual, originates. Therefore, we began by creating new Dynamic Mathematics for working with living energies in a holistic approach. First, a little history of science: Lobachevsky replaced the parallel axiom. No one took this seriously. Until Einstein, using this replacement (i.e., using a qualitatively new mathematical apparatus (tools)) to create his general theory of relativity. We similarly removed the regularity axiom from set theory—the foundation of mathematics—and thereby opened a "Pandora's box" of incredible possibilities for creating new mathematical tools—special singularities for describing models of living energies. For example, even when imagining an inanimate object as energy, one cannot deny that it is a very unique energy, closed in on itself; otherwise, the object would fall apart. This, in particular, gives rise to the singular concept of self-energy, which naturally includes all of the object's connections, including all of its automorphisms. In addition to the standard classical (1, 1) interpretation (i.e., the standard sequential one with cause and effect), where one object occupies one place in physical space, we introduced other possible interpretations, such as the (2, 1) interpretation, in which two objects can occupy the same place of one object simultaneously. In other words, here space has a different structure, necessitating a hierarchical model of space, where physical space occupies the lower level, and (2, 1) space occupies the upper level. It is at the position of the assemblage point that the (2, 1) interpretation of the world occurs. Thus, the position of the assemblage point is the closest upper level for the contents of living energy fibers. With a slight deviation from our assemblage point position, the sorcerer "stands" as if off to the side of our world and is thus capable of performing all sorts of unusual manipulations within it, provided they have the appropriate energy.

Quantum mechanics utilizes the (1, 2) interpretation, where the same object can be in two different places simultaneously. Incidentally, the (1, 2) format of quantum mechanics interpretation is the format for "splitting" energy into its components—elementary particles. The probability of an event is a (1, 2) characteristic—its distribution of values corresponds to the event. All Entanglements of Elementary Particles are Elements of upper level above normal level. Our dynamic mathematics explains the mechanisms of Entanglement and provides new mathematical possibilities for working with it [1-23].

Here, in these interpretations, as in (2, 1), (1, 2), (1, (2, 1)) for self-objects, "objects" refer to energy. (1, (2, 1)) for self-objects means that a single energy is arranged according to the (2, 1) format. self-object contains all own automorphisms but in (2, 1) format.

If we remove the axiom of choice from the axiomatics of set theory, then we can introduce the concept of an unordered set, in particular, a chaotic set.

Our task: using the principles of the central nervous system (as the peak of the manifestation of living energies in the band of inanimate energies) without its functions for life, create a fundamentally new type of neural network through the use of new dynamic mathematics and new dynamic programming developed by us, in particular, with direct-parallel and direct-accumulative operation. Naturally, new training will be required for those working with this neural network.

No one can object to the fact that a person and any living organism contains itself in the form of DNA (as well as in the form of an energetic "double"). In traditional mathematics and, consequently, in science in general, there is no concept of a structure containing itself in any form. Therefore, research approaches are based on element-by-element connections and are not able to apply holistic approaches. Therefore, a need naturally arose for new Dynamic Mathematics based on holistic approaches, which we create. Traditional mathematics is suitable for studying the physical space with objects, which is one point in the energetic space - the position of the assemblage points with a bundle of the corresponding basis of energetic fibers. Therefore, magic can only be interpreted by traditional science as verbal metaphysics. We offer Dynamic Mathematics to describe the living, living energetic processes, which are usually carried out through the Will and serve as the basis of magic. Based on Dynamic Mathematics, the foundations of Dynamic Programming have been developed to perform some magical operations with objects and processes through the "Magic Wand" SmnSprt, a neural network based on directly parallel and directly accumulative actions - an analogue of the human CNS. SmnSprt is based on grown fragments of the CNS, in particular, neurons. Based on SmnSprt, the Internet will be implemented not of information but of pseudo-living energies. You can read more about this on the website: https://dynamical-math.com/

Entanglement of two dynamic numbers 0 and 1: 0|||1, at degeneration we have:

self(a) for saving of calculation results, a = 0 or 1, oself(a) for loading from external memory into RAM..., a = 0 or 1, pself(a) for executing of calculation, a = 0 or 1, correspond to exe-program, its use does not depend on the software environment.

Examples: self(0), oself(1), pself(0). For operations: self(+()) = *(), self(*()) = $()^0$ etc.

In neural networks, an Entanglement of N dynamic numbers may be created into the neuron nucleus, and not only numbers but also energies.

Entanglement of two elementary particles v and r by q designates $v|||_q r$, what is meant here is a connection through containment, and if the connection is implied through any d we have designation $v||d|_q r$, where q is any, in particular, elementary particles spin.

Set-self

All Entanglements of Elementary Particles are Elements of upper level above normal level and consider by hierarchical spaces.

Let us give Definitions of some variants of Entanglement:

Definition 1. Set-self of set {A} = (a_1, a_2, …, a_n) of the first type is containment of a_i into a_j by q ∀i, j, a_iє{A}, a_j є{A}. Designation is $|A||_{q1}$.

Definition 1.0. ^{cy}self$_q$ of by structure of set {A} of the first type is containment one and the same g itself by q instead of containment of a_i into a_j by q ∀i, j, a_iє{A}, a_j є{A} and by structure $|A||_{q1}$. Designation is ${}^{cy_1}_{\{A\}}$self$_q$(g).

Definition 2. Set-self of set {A} = (a_1, a_2, …, a_n) of the second type is containment of a_i into a_j by q ∀i, jє{D}, {D}⊂ (1, 2, …, n). Designation is $|A||_{q2}$. a_i may be by quantum numbers or dynamic numbers: self(0) = 0|||0, 0|||1, 1|||0, self(1) =1|||1, pself(0), pself(1), ${}^{cy_1}_{\{A\}/\{D\}}$self$_q$(0) = $0|A||_{q1}0$, $0|A||_{q1}1$, $1|A||_{q1}0$, ${}^{cy_1}_{\{A\}/\{D\}}$self$_q$(1) = $1|A||_{q1}1$ etc.

Definition 2.0. ^{cy}self$_q$ of set {A} = (a_1, a_2, …, a_n) of the second type is containment one and the same g itself by q instead containment of a_i into a_j by q ∀i, jє{D}, {D}⊂ (1, 2, …, n) and by structure $|A||_{q2}$. Designation is ${}^{cy_2}_{\{A\}/\{D\}}$self$_q$(g).

Definition 3. Set-self$_q$ of set {A} = (a_1, a_2, …, a_n) of the third type is containment of a_i into a_j by q ∀i, jϵ{D}, {D}is cyclical set from (1, 2, …, n). Designations are $^{u}_{D}|A||_q$ for usual cyclical set, $^{8}_{D}|A||_q$ for 8-cyclical set, $^{M}_{D}|A||_q$ for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type. a_i may be by quantum numbers or dynamic numbers: self(0) = 0|||0, 0|||1, 1|||0, self(1) =1|||1, pself(0), pself(1), $^{cy_2}_{\{A\}/\{D\}}$self$_q$(0) = $0|A||_{q2}0$, $0|A||_{q2}1$, $1|A||_{q2}0$, $^{cy_2}_{\{A\}/\{D\}}$self$_q$(1) = $1|A||_{q2}1$ etc.

Definition 3.0. ^{cy}self$_q$ of set {A} = (a_1, a_2, …, a_n) of the third type is containment one and the same g itself by q instead containment of a_i into a_j by q ∀i, jϵ{D}, {D}is cyclical set from (1, 2, …, n) and by structure $^{u}_{D}|A||_q$. Designations are $^{cy_3}_{\{A\}/\{D\}}$self$_q$(g) for usual cyclical set, $^{cy_8}_{\{A\}/\{D\}}$self$_q$(g) for 8-cyclical set, $^{cy_M}_{\{A\}/\{D\}}$self$_q$(g) for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 4. Set-self$_q$ of hypercyclic set {A} of the fourth type is containment of elements following one another, the previous one into the next by q. Designation is $^{h}_{D}|A||_q$. The minimal continual set containing the hypercyclic set {A} and closed on itself according to the same sequential scenario is called the exset-self$_q$ of {A} and designate by $^{h}_{D}|A||_{qex}$.

Definition 4.0. ^{hy}self$_q$ of hypercyclic set {A} of the fourth type is containment one and the same g itself by q instead containment of elements following one another, the previous one into the next by q and by structure $^{h}_{D}|A||_q$. Designation is $^{hy_1}_{\{A\}}$self$_q$ (g). The minimal continual set containing the hypercyclic set {A} and ^{hy}self$_q$ of closed on itself according to the same sequential scenario designate by $^{hy_{ex}}_{\{A\}}$self$_q$(g).

Let us extend Definitions 1–4 for N-dimensional spaces:

Definition 1.1. Set-self$_q$ of set {A} for N-dimensional space of the first type is containment of any element v ϵ {A} into any element w ϵ {A} by q for ∀ elements of {A}. Designation is $|A||_{q1_N}$.

Definition 1.2. ^{cy}self$_q$ of by structure of set {A} for N-dimensional space of the first type is containment one and the same g itself by q instead of containment of any element v ϵ {A} into any element w ϵ {A} by q for ∀ elements of {A} and by structure $|A||_{q1_N}$. Designation is $^{cy_{1_N}}_{\{A\}}$self$_q$(g).

Definition 2.1. Set-self$_q$ of set {A} for N-dimensional space of the second type is containment of any element v ϵ {D} into any element w ϵ {D} by q for ∀ elements of {D}, {D}⊂ {A}. Designation is $|A||_{q2_N}$.

Definition 2.2. ^{cy}self$_q$ of set {A} for N-dimensional space of the second type is containment one and the same g itself by q instead containment of any element v ϵ {D} into any element w ϵ {D} by q for ∀ elements of {D}, {D}⊂ {A}. and by structure $|A||_{q2_N}$. Designation is $^{cy_{2_N}}_{\{A\}/\{D\}}$self$_q$(g).

Definition 3.1. Set-^{cy}self$_q$ of set {A} for N-dimensional space of the third type is containment of any element v ϵ {D} into any element w ϵ {D} by q for ∀ elements of {D}, {D}⊂ {A}, {D}is cyclical set. Designations are $^{u_N}_{D}|A||_q$ for usual cyclical set, $^{8_N}_{D}|A||_q$ for 8-cyclical set, $^{M_N}_{D}|A||_q$ for cyclical set of

Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 3.2. ^{cy}self$_q$ of set {A} for N-dimensional space of the third type is containment one and the same g itself by q instead containment of any element v ϵ {D} into any element w ϵ {D} by q for ∀ elements of {D}, {D}⊂ {A}, {D}is cyclical set and by structure ${}^{u_N}_{D}|\mathrm{A}||_q$. Designations are ${}^{cy_{3_N}}_{\{A\}/\{D\}}self_q(g)$ for usual cyclical set, ${}^{cy_{8_N}}_{\{A\}/\{D\}}self_q(g)$ for 8-cyclical set, ${}^{cy_{M_N}}_{\{A\}/\{D\}}self_q(g)$ for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 4.1. Set-self$_q$ of hypercyclic set {A} for N-dimensional space of the fourth type is containment of elements following one another, the previous one into the next by q. Designation is ${}^{h_N}_{D}|\mathrm{A}||_q$. The minimal continual set containing the hypercyclic set {A} and closed on itself according to the same sequential scenario is called the exset-self$_q$ of {A} and designate by ${}^{h_N}_{D}|\mathrm{A}||_{qex}$.

Remark. May consider matrix ${}^{h}_{D}|\mathrm{A}||_{qex}$, tensor ${}^{h}_{D}|\mathrm{A}||_{qex}$ etc.

Definition 4.0. ^{hy}self$_q$ of hypercyclic set {A} for N-dimensional space of the fourth type is containment one and the same g itself by q instead containment of elements following one another, the previous one into the next by q and by structure ${}^{h_N}_{D}|\mathrm{A}||_q$. Designation is ${}^{hy_{1_N}}_{\{A\}}self_q(g)$. The minimal continual set containing the hypercyclic set {A} and ^{hy}self$_q$ of closed on itself according to the same sequential scenario designate by ${}^{hy_{ex_N}}_{\{A\}}self_q(g)$.

Remark. May consider Entanglement by N features simultaneously:

(d, any d- cyclical, any d- hypercyclic, …, any etc.

Remark. May consider (↑ | ↓) -$|||_q$, ((↑ | ↓)-self$_q$)-type, any G-type of |||, G is any structure, objects, action, process, any hypercyclic structure G or any hypercyclic object D or any hypercyclic action Q or any hypercyclic process W, any hypercyclic structure (G-$|||_q$)-type or any hypercyclic object (D-$|||_q$)-type or any hypercyclic action (Q-$|||_q$)-type or any hypercyclic process {W-$|||_q$)-type, any hypercyclic structure (G-self$_q$)-type or any hypercyclic object (D-self$_q$)-type or any hypercyclic action (Q-self$_q$)-type or any hypercyclic process (W-self$_q$)-type etc.

An everywhere dense hypercyclic set is self$_q$-defined. The points of its density, like the positions of the assemblage point, are (self$_q$-type)-structures ($|||_q$-type)-structures. $||\mathrm{Q}|_q$ by closing Q onto itself in any way (method).

Definition 5. Dynamic operator $\mathrm{A}|_d||^{-1}\mathrm{B} = \begin{matrix} A \\ d \\ B \end{matrix}$DSprt defines expelling A from B by d and expelling B from A by d simultaneously. ^{sd}oself (A) = $\begin{matrix} A \\ d \\ A \end{matrix}$DSprt.

Not to be confused with $|||^{-1}_{(A,B)}$.

Definition 5.0. Dynamic operator $A|_d|Q|^{-1}B = \underset{B}{\overset{A}{d}}\text{DQSprt}$ defines Q^{-1} of A from B by d and Q^{-1} of B from A by d simultaneously. ${}^{sdq}\text{oself}(A) = \underset{A}{\overset{A}{d}}\text{DQSprt}$.

Definition 5.1. Dynamic operator $A|_d||B = \text{DSprt}\underset{B}{\overset{A}{d}}$ defines self-d of A to B and self-d of B to A simultaneously. ${}^{sd}\text{self}(A) = \text{DSprt}\underset{A}{\overset{A}{d}}$.

We consider expression

$$\underset{D}{\overset{C}{g_2}}\text{SCSprt}\underset{B}{\overset{A}{g_1}} \qquad (*_{1.1})$$

where A fits into B with type of accommodation g_1 and B fits into A with type of accommodation g_1, D is forced out from C with type of accommodation g_2 and C is forced out from D with type of accommodation g_2 and all these actions execute simultaneously; A, B, C, D, g_1, g_2 may also be fuzzy. The result of this process will be described by the expression

$$\underset{D}{\overset{C}{g_2}}\text{SCSrt}\underset{B}{\overset{A}{g_1}} \qquad (*_{1.2}),$$

${}^{sg_1}p\text{self}(A) = \underset{A}{\overset{A}{g_1}}\text{SCSrt}\underset{A}{\overset{A}{g_1}}$. If A, B, D, C are taken as sets, then we will call $(*_{1.1})$ a SCS-dynamic set.

It can be considered a simpler version of the dynamic set

$$\text{SCSprt}\underset{B}{\overset{A}{g_1}} \ (**_{1.1})$$

where set A fits into set B with type of accommodation g_1 and B fits into A with type of accommodation g_1 simultaneously, the result of this process will be described by the expression

$$\text{SCSrt}\underset{B}{\overset{A}{g_1}}(**_{1.2}),$$

$${}^{sg_1}\text{self}(A) = \text{SCSrt}\underset{A}{\overset{A}{g_1}}.$$

or

$\begin{matrix} C \\ g_2 \\ D \end{matrix}$SCSprt (***$_{1.1}$),

where set A is forced out from B with type of accommodation g_2 and C is forced out from D with type of accommodation g_2 simultaneously, the result of this process will be described by the expression

$\begin{matrix} C \\ g_2 \\ D \end{matrix}$SCSrt(***$_{1.2}$),

^{sg_1}oself(A) = $\begin{matrix} A \\ g_1 \\ A \end{matrix}$SCSrt. We consider the measure: μ**($\begin{matrix} b \\ g_2 \\ D \end{matrix}$SCSprt$\begin{matrix} A \\ g_1 \\ b \end{matrix}$)=$\frac{\mu(A)\mu(g_1)}{\mu(D)\mu(g_2)}$, where μ(A),μ(D) – usual measures of sets A, D, $\mu(g_1)$, $\mu(g_2)$ - measures corresponding to the accommodations of the corresponding type.

For sets A, B we have

$$\text{SCSrt}\begin{matrix} A \\ g_1 \\ B \end{matrix} = \left\{ \begin{matrix} A|||B - D \\ D \end{matrix} \right\}$$ is hierarchical set, where D is sselfg_1-set for $A \cap B$. The measure:

$$\mu(\ \text{SCSpr}\begin{matrix} A \\ g_1 \\ B \end{matrix}) = (\frac{\mu(A|||B) - \mu_{g_1}{}^{s}(\ A \cap B)}{\mu_{g_1}{}^{s}(\ A \cap B)}) * \mu(g_1).$$

Remark. SCSSprt$\begin{matrix} a \\ g \\ b \end{matrix}$ ϵ a$|||_g$b or SCSSprt$\begin{matrix} a \\ g \\ b \end{matrix}$ ⊂ a$|||_g$b.

We have the next generalization ^{sNg_1}self(A) = SCSrt$\begin{matrix} A \\ g_1 \\ \dots \\ g_1 \\ A \end{matrix}$, where A fits into A with type of accommodation g_1, …, and A fits into A with type of accommodation g_1 N time in forward and reverse order simultaneously. We have the next generalization ^{sg_1}oself(A) = $\begin{matrix} A \\ g_1 \\ \dots \\ g_1 \\ A \end{matrix}$SCSrt, where A is forced out from A with type of accommodation g_2 , …, and A is forced out from A with type of accommodation g_2 N time in forward and reverse order simultaneously. We have the next generalization $^{sNg_1}p$self(A)

$= \overset{A}{\underset{A}{\overset{g_1}{\underset{g_1}{\ldots}}}} \mathrm{SCSrt} \overset{A}{\underset{A}{\overset{g_1}{\underset{g_1}{\ldots}}}}$, where A fits into A with type of accommodation g_1, …, and A fits into A with type of accommodation g_1 N time in forward and reverse order simultaneously and A is forced out from A with type of accommodation g_2 , …, and A is forced out from A with type of accommodation g_2 N time in forward and reverse order simultaneously and all these actions execute simultaneously.

May consider SCSrt $\dfrac{\mathrm{SCSrt}\overset{A}{\underset{A}{\overset{g_1}{\underset{g_1}{\ldots}}}}\ \mathrm{SCSrt}\overset{A}{\underset{A}{\overset{g_1}{\underset{g_1}{\ldots}}}}}{\mathrm{SCSrt}\overset{A}{\underset{A}{\overset{g_1}{\underset{g_1}{\ldots}}}}\ \mathrm{SCSrt}\overset{A}{\underset{A}{\overset{g_1}{\underset{g_1}{\ldots}}}}}$ with $\overset{g_1}{\underset{g_1}{\ldots}}$, $\overset{g_1}{\underset{g_1}{\ldots}}$ SCSrt $\dfrac{\mathrm{SCSrt}\overset{A}{\underset{A}{\overset{g_1}{\underset{g_1}{\ldots}}}}\ \mathrm{SCSrt}\overset{A}{\underset{A}{\overset{g_1}{\underset{g_1}{\ldots}}}}}{\mathrm{SCSrt}\overset{A}{\underset{A}{\overset{g_1}{\underset{g_1}{\ldots}}}}\ \mathrm{SCSrt}\overset{A}{\underset{A}{\overset{g_1}{\underset{g_1}{\ldots}}}}}$ with $\overset{g_1}{\underset{g_1}{\ldots}}$, $\overset{g_1}{\underset{g_1}{\ldots}}$ SCSrt, A||d|||d| … A||d|A, $F_1(A(F_2(\ldots(F_n(A))\ldots)$ etc.

Definition 5.1.1. Dynamic operator $A|_d|Q|B = \mathrm{DSprt}\overset{A}{\underset{B}{d}}$ defines self-d by Q of A to B and self-d by Q of B to A simultaneously. $^{sdq}\mathrm{self}(A) = \mathrm{DQSprt}\overset{A}{\underset{A}{d}}$.

Definition 5.2. Dynamic operator A||se|B

$= \mathrm{SSCprt}\overset{A}{\underset{B}{d}}$ defines self$_q$-containment A into B by d self-containment B into A by d simultaneously. $^{ss}\mathrm{self}(A) = \mathrm{SSCprt}\overset{A}{\underset{A}{d}}$.

Definition 5.2.1. Dynamic operator A||su|B

$= \mathrm{SSCprt}\overset{A}{\underset{B}{d}}$ defines self-containment A into B by su and self-containment B into A by su simultaneously. $^{ssu}\mathrm{self}(A) = \mathrm{SSCprt}\overset{A}{\underset{A}{d}}$. su is the designation of super level of all levels, ||su| in super level = ||| of all levels is analogues of ||| [].

Definition 5.3. Dynamic operator $A||ch|B$

$= \text{ChSCprt}\begin{matrix}A\\d\\B\end{matrix}$ defines chaotic containment A into B by d chaotic containment B into A by d simultaneously. ${}^{chsd}\text{self}(A) = \text{ChSCprt}\begin{matrix}A\\d.\\A\end{matrix}$

Definition 6. Set-oself$_q$ of set {A} = (a_1, a_2, …, a_n) of the first type is expelling a_i from a_j by q ∀i, j, a_iϵ{A}, a_j ϵ{A}. Designation is $|A||_{q1}^{-1}$.

Definition 6.0. ^{cy}oself$_q$ of by structure of set {A} of the first type is expelling one and the same g itself by q instead expelling of a_i into a_j by q ∀i, j, a_iϵ{A}, a_j ϵ{A} and by structure $|A||_{q1}^{-1}$. Designation is ${}^{cy_1}_{\{A\}}os$elf$_q$(g).

Definition 6.1. Set-oself$_q$ of set {A} for N-dimensional space of the first type is expelling of any element v ϵ {A} from any element w ϵ {A} by q for ∀ elements of {A}. Designation is $|A||_{q1_N}^{-1}$.

Definition 6.2. ^{cy}oself$_q$ of by structure of set {A} for N-dimensional space of the first type is expelling one and the same g itself by q instead expelling of any element v ϵ {A} from any element w ϵ {A} by q for ∀ elements of {A} and by structure $|A||_{q1_N}^{-1}$. Designation is ${}^{cy_{1_N}}_{\{A\}}os$elf$_q$(g).

Definition 7. Set-oself$_q$ of set {A} = (a_1, a_2, …, a_n) of the second type is expelling a_i into a_j by q ∀i, jϵ{D}, {D}⊂ (1, 2, …, n). Designation is $|A||_{q2}^{-1}$.

Definition 7.0. ^{cy}oself$_q$of set {A} = (a_1, a_2, …, a_n) of the second type is expelling one and the same g itself by q instead expelling of a_i from a_j by q ∀i, jϵ{D}, {D}⊂ (1, 2, …, n) and by structure $|A||_{q2}^{-1}$. Designation is ${}^{cy_2}_{\{A\}/\{D\}}oself_q$ (g).

Definition 7.1. Set-oself$_q$ of set {A} for N-dimensional space of the second type is expelling of any element v ϵ {D} from any element w ϵ {D} by q for ∀ elements of {D}, {D}⊂ {A}. Designation is $|A||_{q2_N}^{-1}$.

Definition 7.2. ^{cy}oself$_q$ of set {A} = (a_1, a_2, …, a_n) for N-dimensional space of the second type is expelling one and the same g itself by q instead expelling of any element v ϵ {A} from any element w ϵ {A} by q for ∀ elements of {A} and by structure $|A||_{q2_N}^{-1}$. Designation is ${}^{cy_{2_N}}_{\{A\}/\{D\}}oself_q$ (g).

Definition 8. Set-oself$_q$ of set {A} = (a_1, a_2, …, a_n) of the third type is expelling a_i from a_j by q ∀i, jϵ{D}, {D}is cyclical set from (1, 2, …, n). Designations are ${}^{u}_{D}|A||^{-1}$ for usual cyclical set, ${}^{8}_{D}|A||_q^{-1}$ for 8-cyclical set, ${}^{M}_{D}|A||_q^{-1}$for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 8.0. ^{cy}oself$_q$ of set {A} of the third type is expelling one and the same g itself by q instead expelling of any element v ϵ {D} from any element w ϵ {D} by q for ∀ elements of {D}, {D}⊂ {A}, {D}is cyclical set and by structure ${}^{u}_{D}|A||_q^{-1}$. Designations are ${}^{cy_3}_{\{A\}/\{D\}}oself_q$(g) for usual cyclical set,

${}^{cy_8}_{\{A\}/\{D\}}os\text{elf}_q(g)$ for 8-cyclical set, ${}^{cy_M}_{\{A\}/\{D\}}os\text{elff}_q(g)$ for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 8.1. Set-oself$_q$ of set {A} for N-dimensional space of the third type is expelling of any element v ϵ {D} from any element w ϵ {D} by q for ∀ elements of {D}, {D}⊂ {A}, {D}is cyclical set. Designations are ${}^{u_N}_{D}|A||_q^{-1}$for usual cyclical set, ${}^{8_N}_{D}|A||_q^{-1}$for 8-cyclical set, ${}^{M_N}_{D}|A||_q^{-1}$for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 8.2. ^{cy}oself$_q$ of set {A} for N-dimensional space of the third type is expelling one and the same g itself by q instead expelling of any element v ϵ {D} from any element w ϵ {D} by q for ∀ elements of {D}, {D}⊂ {A}, {D}is cyclical set and by structure ${}^{u_N}_{D}|A||_q^{-1}$. Designations are ${}^{cy_{3_N}}_{\{A\}/\{D\}}os\text{elf}_q(g)$ for usual cyclical set, ${}^{cy_{8_N}}_{\{A\}/\{D\}}os\text{elf}_q(g)$ for 8-cyclical set, ${}^{cy_{M_N}}_{\{A\}/\{D\}}os\text{elf}_q(g)$ for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 9. Set-oself$_q$ of hypercyclic set {A} of the fourth type is expelling elements following one another, the previous one from the next by q. Designation is ${}^{h}_{D}|A||_q^{-1}$. The minimal continual set containing the hypercyclic set {A} and closed on itself according to the same sequential scenario is called the exset-oself$_q$ of {A} and designate by ${}^{h}_{D}|A||_{qex}^{-1}$.

Definition 9.0. ^{hy}oself$_q$ of hypercyclic set {A} of the fourth type is expelling one and the same g itself by q instead of expelling of elements following one another, the previous one from the next by q and by structure ${}^{h}_{D}|A||_q^{-1}$. Designation is ${}^{hy}_{\{A\}}os\text{elf}_q(g)$. The minimal continual set containing the hypercyclic set {A} and ^{hy}oself$_q$ of closed on itself according to the same sequential scenario designate by ${}^{hy_{ex}}_{\{A\}}os\text{elf}_q(g)$.

Definition 9.1. Set-oself$_q$ of hypercyclic set {A} for N-dimensional space of the fourth type is expelling of elements following one another, the previous one from the next by q. Designation is ${}^{h_N}_{D}|A||_q^{-1}$. The minimal continual set containing the hypercyclic set {A} and closed on itself according to the same sequential scenario is called the exset-oself$_q$ of {A} and designate by ${}^{h_N}_{D}|A||_{qex}^{-1}$.

Definition 9.2. ^{hy}oself$_q$ of hypercyclic set {A} for N-dimensional space of the fourth type is expelling one and the same g itself by q instead expelling of elements following one another, the previous one from the next by q and by structure ${}^{h_N}_{D}|A||_q^{-1}$. Designation is ${}^{hy_{1_N}}_{\{A\}}os\text{elf}_q(g)$. The minimal continual set containing the hypercyclic set {A} and ${}^{hy_1}os\text{elf}_q$ of closed on itself according to the same sequential scenario designate by ${}^{hy_{ex_N}}_{\{A\}}os\text{elf}_q(g)$.

Any kind of classification is a capacity, i.e., by containment. In the next definitions d is any. Therefore, we will use concept result instead of concept set.

Definition 10. Result-^{d}self$_q$ of set {A} = (a_1, a_2, …, a_n) of the first type is d of a_i into a_j by q ∀i, j, a_i∊{A}, a_j ∊{A}. Designation is $^{d}|A||_{q1}$.

Definition 10.0. ^{cyd}self$_q$ of by structure of set {A} of the first type is d of one and the same g itself by q instead of d of a_i into a_j by q ∀i, j, a_i∊{A}, a_j ∊{A} and by structure $^{d}|A||_{q1}$. Designation is $^{cyd_1}_{\{A\}}$self$_q$(g).

Definition 10.1. Result-self$_q$ of set {A} for N-dimensional space of the first type is d of any element v ∊ {A} into any element w ∊ {A} by q for ∀ elements of {A} by q. Designation is $^{d}|A||_{q1_N}$.

Definition 10.2. ^{cyd}self$_q$ of by structure of set {A} for N-dimensional space of the first type is d of one and the same g by q itself by q instead of d of any element v ∊ {A} into any element w ∊ {A}by q by q for ∀ elements of {A}and by structure $^{d}|A||_{q1_N}$. Designation is $^{cyd_{1_N}}_{\{A\}}$self$_q$(g).

Definition 11. Result-^{d}self$_q$ of set {A} = (a_1, a_2, …, a_n) of the second type is d of a_i into a_j by q ∀i, j∊{Q}, {Q}⊂ (1, 2, …, n). Designation is $^{d}|A||_{q2}$.

Definition 11.0. ^{cyd}self$_q$ of set {A} = (a_1, a_2, …, a_n) of the second type is d of one and the same g itself by q instead of d of a_i into a_j by q ∀i, j∊{Q}, {Q}⊂ (1, 2, …, n) and by structure $^{d}|A||_{q2}$. Designation is $^{cyd_2}_{\{A\}/\{Q\}}$self$_q$(g).

Definition 11.1. Result-^{d}self$_q$of set {A} for N-dimensional space of the second type is d of any element v ∊ {Q} into any element w ∊ {Q} by q for ∀ elements of {Q}, {Q}⊂ {A}. Designation is $^{d}|A||_{q2_N}$.

Definition 11.2. ^{cyd}self$_q$ of set {A} for N-dimensional space of the second type is d of one and the same g itself by q instead d of any element v ∊ {Q} into any element w ∊ {Q} by q for ∀ elements of {Q}, {Q}⊂ {A}. and by structure $^{d}|A||_{q2_N}$. Designation is $^{cyd_{2_N}}_{\{A\}/\{Q\}}$self$_q$(g).

Definition 12. Result-^{d}self$_q$ of set {A} = (a_1, a_2, …, a_n) of the third type is d of a_i into a_j by q ∀i, j∊{Q}, {Q}is cyclical set from (1, 2, …, n). Designations are $^{u}_{D}|A|^{d}|_q$ for usual cyclical set, $^{8}_{D}|A|^{d}|_q$ for 8-cyclical set, $^{M}_{D}|A|^{d}|_q$ for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 12.0. ^{cyd}self$_q$ of set {A} = (a_1, a_2, …, a_n) of the third type is d of one and the same g itself by q instead d of a_i into a_j by q ∀i, j∊{Q}, {Q}is cyclical set from (1, 2, …, n) and by structure $^{u}_{D}|A|^{d}|_q$. Designations are $^{cyd_3}_{\{A\}/\{D\}}$self$_q$(g) for usual cyclical set, $^{cy_8}_{\{A\}/\{Q\}}$self$_q$(g) for 8-cyclical set, $^{cyd_M}_{\{A\}/\{Q\}}$self$_q$(g) for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 12.1. Result-^{cyd}self$_q$ of set {A} for N-dimensional space of the third type is d of any element v ∊ {Q} into any element w ∊ {Q} by q for ∀ elements of {Q}, {Q}⊂ {A}, {Q}is cyclical set. Designations are $^{u_N}_{Q}|A|^{d}|_q$ for usual cyclical set, $^{8_N}_{D}|A|^{d}|_q$ for 8-cyclical set, $^{M_N}_{Q}|A|^{d}|_q$ for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 12.2. ${}^{cyd}self_q$ of set {A} for N-dimensional space of the third type is d of one and the same g itself by q instead containment of any element v ϵ {Q} into any element w ϵ {Q} by q for ∀ elements of {Q}, {Q}⊂ {A}, {Q}is cyclical set and by structure ${}^{u_N}_{Q}|A|^d|_q$. Designations are ${}^{cyd_{3_N}}_{\{A\}/\{Q\}}self_q(g)$ for usual cyclical set, ${}^{cyd_{8_N}}_{\{A\}/\{Q\}}self_q(g)$ for 8-cyclical set, ${}^{cyd_{M_N}}_{\{A\}/\{D\}}self_q(g)$ for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 13. Result-${}^{d}self_q$ of hypercyclic set {A} of the fourth type is d of elements following one another, the previous one into the next by q. Designation is ${}^{h}_{D}|A|^d|_q$. The minimal continual set containing the hypercyclic set {A} and closed on itself according to the same sequential scenario is called the exset-self of {A} and designate by ${}^{h}_{D}|A|^d|_{qex}$.

Definition 13.0. ${}^{hyd}self_q$ of hypercyclic set {A} of the fourth type is d of one and the same g itself by q instead d of elements following one another, the previous one into the next by q and by structure ${}^{h}_{Q}|A|^d|_q$. Designation is ${}^{hyd_1}_{\{A\}}self_q(g)$. The minimal continual set containing the hypercyclic set {A} and ${}^{hyd}self_q$ of closed on itself according to the same sequential scenario designate by ${}^{hyd_{ex}}_{\{A\}}self_q(g)$.

Definition 13.1. Result-${}^{d}self_q$ of hypercyclic set {A} for N-dimensional space of the fourth type is d of elements following one another, the previous one into the next by q. Designation is ${}^{h_N}_{Q}|A|^d|_q$. The minimal continual set containing the hypercyclic set {A} and closed on itself according to the same sequential scenario is called the exset-self of {A} and designate by ${}^{h_N}_{Q}|A|^d|_{qex}$.

Definition 13.2. ${}^{hyd}self_q$ of hypercyclic set {A} for N-dimensional space of the fourth type is d of one and the same g itself by q instead d of elements following one another, the previous one into the next by q and by structure ${}^{h_N}_{Q}|A|^d|_q$. Designation is ${}^{hyd_{1_N}}_{\{A\}}self_q(g)$. The minimal continual set containing the hypercyclic set {A} and ${}^{hyd}self_q$ of closed on itself according to the same sequential scenario designate by ${}^{hyd_{ex_N}}_{\{A\}}self_q(g)$.

Definition 14. Result-${}^{d}oself_q$ of set {A} = (a_1, a_2, …, a_n) of the first type is d^{-1} of a_i from a_j by q ∀i, j, a_iϵ{A}, a_j ϵ{A}. Designation is ${}^{d}|A|^d|_{q1}^{-1}$.

Definition 14.0. ${}^{cyd}oself_q$ of by structure of set {A} of the first type is d^{-1} of one and the same g itself by q instead of d^{-1} of a_i from a_j by q ∀i, j, a_iϵ{A}, a_j ϵ{A} and by structure $|A|^d|_{q1}^{-1}$. Designation is ${}^{cyd_1}_{\{A\}}oself_q(g)$.

Definition 14.1. Result-${}^{d}oself_q$ of set {A} for N-dimensional space of the first type is d^{-1} of any element v ϵ {A} from any element w ϵ {A} by q for ∀ elements of {A}. Designation is ${}^{d}|A||_{q1_N}^{-1}$.

Definition 14.2. ${}^{cyd}oself_q$ of by structure of set {A} for N-dimensional space of the first type is d^{-1} of one and the same g itself by q instead d^{-1} of any element v ϵ {A} from any element w ϵ {A} by q for ∀ elements of {A} and by structure ${}^{d}|A||_{q1_N}^{-1}$. Designation is ${}^{cy_{1_N}}_{\{A\}}oself_q(g)$.

Definition 15. Result-${}^{d}oself_q$ of set {A} = (a_1, a_2, …, a_n) of the second type is d^{-1} of a_i from a_j by q ∀i, jϵ{Q}, {Q}⊂ (1, 2, …, n). Designation is ${}^{d}|A||_{q2}^{-1}$.

Definition 15.0. ${}^{cyd}oself_q$ of set {A} = (a_1, a_2, …, a_n) of the second type is d^{-1} of one and the same g itself by q instead of d^{-1} of a_i from a_j by q ∀i, jϵ{Q}, {Q}⊂ (1, 2, …, n) and by structure ${}^{d}|A||_{q2}^{-1}$. Designation is ${}_{\{A\}/\{Q\}}^{cyd_2}oself_q(g)$.

Definition 15.1. Result-${}^{d}oself_q$ of set {A} for N-dimensional space of the second type is d^{-1} of any element v ϵ {Q} from any element w ϵ {Q} by q for ∀ elements of {Q}, {Q}⊂ {A}. Designation is ${}^{d}|A||_{q2_N}^{-1}$.

Definition 15.2. ${}^{cyd}oself_q$ of set {A} = (a_1, a_2, …, a_n) for N-dimensional space of the second type is d^{-1} of one and the same g itself by q instead d^{-1} of any element v ϵ {A} from any element w ϵ {A} by q for ∀ elements of {A} and by structure ${}^{d}|A||_{q2_N}^{-1}$. Designation is ${}_{\{A\}/\{Q\}}^{cyd_{2_N}}oself_q(g)$.

Definition 16. Result-${}^{d}oself_q$ of set {A} = (a_1, a_2, …, a_n) of the third type is d^{-1} of a_i from a_j by q ∀i, jϵ{Q}, {Q}is cyclical set from (1, 2, …, n). Designations are ${}_{D}^{u}|A|^{d}|_{q}^{-1}$for usual cyclical set, ${}_{D}^{8}|A|^{d}|_{q}^{-1}$ for 8-cyclical set, ${}_{D}^{M}|A|^{d}|_{q}^{-1}$for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 16.0. Result-${}^{d}oself_q$ of set {A} for N-dimensional space of the third type is d^{-1} of a_i from a_j by q ∀i, jϵ{Q}, {Q}is cyclical set. Designations are ${}_{Q}^{u_N}|A|^{d}|_{q}^{-1}$for usual cyclical set, ${}_{D}^{8_N}|A|^{d}|_{q}^{-1}$for 8-cyclical set, ${}_{D}^{M_N}|A|^{d}|_{q}^{-1}$for cyclical st of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 16.1. ${}^{cyd}oself_q$ of set {A} of the third type is d^{-1} of one and the same g itself by q instead d^{-1} of any element v ϵ {Q} from any element w ϵ {Q} by q for ∀ elements of {Q}, {Q}⊂ {A}, {Q}is cyclical set and by structure ${}_{Q}^{u}|A|^{d}|_{q}^{-1}$. Designations are ${}_{\{A\}/\{Q\}}^{cyd_3}oself_q(g)$ for usual cyclical set, ${}_{\{A\}/\{Q\}}^{cyd_8}oself_q(g)$ for 8-cyclical set, ${}_{\{A\}/\{Q\}}^{cyd_M}oself_q(g)$ for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 16.2. ${}^{cyd}oself_q$ of set {A} for N-dimensional space of the third type is d^{-1} of one and the same g itself by q instead d^{-1} of any element v ϵ {Q} from any element w ϵ {Q} by q for ∀ elements of {Q}, {Q}⊂ {A}, {Q}is cyclical set and by structure ${}_{Q}^{u_N}|A|^{d}|_{q}^{-1}$. Designations are ${}_{\{A\}/\{Q\}}^{cyd_{3_N}}oself_q(g)$ for usual cyclical set, ${}_{\{A\}/\{Q\}}^{cyd_{8_N}}oself_q(g)$ for 8-cyclical set, ${}_{\{A\}/\{Q\}}^{cyd_{M_N}}oself_q(g)$ for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 17. Result-${}^{d}oself_q$ of hypercyclic set {A} of the fourth type is d^{-1} of elements following one another, the previous one from the next by q. Designation is ${}_{D}^{h}|A|^{d}|_{q}^{-1}$.The minimal continual set containing the hypercyclic set {A} and closed on itself according to the same sequential scenario is called the exset-self of {A} and designate by ${}_{D}^{h}|A|^{d}|_{qex}^{-1}$.

Definition 17.0. ${}^{hyd}oself_q$ of hypercyclic set {A} of the fourth type is d^{-1} of one and the same g itself by q instead d^{-1} of elements following one another, the previous one from the next by q and by structure

${}^{h}_{Q}|\mathrm{A}|^{d}|_{q}^{-1}$. Designation is ${}^{hyd}_{\{A\}}os\mathrm{elf}_q(\mathrm{g})$. The minimal continual set containing the hypercyclic set {A} and ^{hyd}oself of closed on itself according to the same sequential scenario designate by ${}^{hyd_{ex}}_{\{A\}}os\mathrm{elf}_q(\mathrm{g})$.

Definition 17.1. Result-^{hyd}oself$_q$ of hypercyclic set {A} for N-dimensional space of the fourth type is d^{-1} of elements following one another, the previous one from the next by q. Designation is ${}^{h_N}_{D}|\mathrm{A}|^{d}|_{q}^{-1}$. The minimal continual set containing the hypercyclic set {A} and closed on itself according to the same sequential scenario is called the exset-oself of {A} and designate by ${}^{h_N}_{Q}|\mathrm{A}|^{d}|_{ex}^{-1}$.

Definition 17.2. ^{hyd}oself$_q$ of hypercyclic set {A} for N-dimensional space of the fourth type is d^{-1} of one and the same g itself by q instead of d^{-1} of elements following one another, the previous one from the next by q and by structure ${}^{h_N}_{D}|\mathrm{A}|^{d}|_{q}^{-1}$. Designation is ${}^{hyd_{1_N}}_{\{A\}}os\mathrm{elf}_q(\mathrm{g})$. The minimal continual set containing the hypercyclic set {A} and ${}^{hy_1}os$elf$_q$ of closed on itself according to the same sequential scenario designate by ${}^{hyd_{ex_N}}_{\{A\}}os\mathrm{elf}_q(\mathrm{g})$.

May consider space with all $||\mathrm{d}|_q$-type elements and generalize all these definitions to this space and to sets with its elements and to its elements, fuzzy sets with its elements and to its elements , in particular, to space of ^{d}self$_q$-type elements and to sets with its elements and to its elements, chaotic sets by corresponding dynamic connections etc.

Also, may consider Hilbert and Banach and any other spaces and generalize all these definitions to this space and to sets with its elements and to its elements, fuzzy sets with its elements and to its elements, chaotic sets by corresponding dynamic connections etc.

Definition 18. G-$||\mathrm{d}|_q$ of the first type is the structure, that can be manifested by ${}^{Q}||\mathrm{d}|_q$, where Q is any part from G and is the structure, according to which it is formed $||\mathrm{d}|_q$, in particular, Q is any set , in particular, hypercyclic set or cyclic set or others. Designation is ${}^{G}|{}^{G}|\mathrm{d}|_q$. G is any, in particular, any continual set, variety etc.

Definition 18.0. G-^{d}self$_q$ of the first type is the structure, that can be manifested by Q-^{d}self$_q$, where Q is any part from G and is the structure, according to which it is formed ^{d}self$_q$, in particular, Q is any set , in particular, hypercyclic set or cyclic set or others. Designation is ${}^{G|Gd}$self$_q$. G is any, in particular, any continual set, variety etc.

Definition 18.1. G-dself$_q$ of the first type is the structure, that can be manifested by Q-^{d}oself$_q$, where Q is any part from G and is the structure, according to which it is formed ^{d}oself, in particular, Q is any set , in particular, hypercyclic set or cyclic set or others. Designation is ${}^{G|Gd}$oself$_q$. G is any, in particular, any continual set, variety etc.

Definition 18.2. G-dself$_q$ of the first type is the structure, that can be manifested by Q-^{d}pself$_q$, where Q is any part from G and is the structure, according to which it is formed ^{d}pself$_q$, in particular, Q is any set, in particular, hypercyclic set or cyclic set or others. Designation is ${}^{G|Gd}$pself$_q$. G is any, in particular, any continual set, variety etc.

May consider

${}^{G}|^{G}|({}^{G}|^{G}|_{q}({}^{G}|^{G}|\mathrm{d}|_{q})|_{q})|_{q}$,

${}^{G}|^{G}|({}^{G}|^{G}|({}^{G}|^{G}| \ldots {}^{G}|^{G}|({}^{G}|^{G}|({}^{G}|^{G}|\mathrm{d}|_{q})|_{q})|_{q},|_{q})|_{q})|_{q}$,

${}^{G_1}|^{G_1}|({}^{G_2}|^{G_2}|({}^{G_3}|^{G_3}|\mathrm{d}|_{q})|_{q})|_{q}$,

${}^{G_1}|^{G_1}|({}^{G_2}|^{G_2}|({}^{G_3}|^{G_3}| \ldots {}^{G_{n-1}}|^{G_{n-1}}|({}^{G_n}|^{G_n}|({}^{G_{n+1}}|^{G_{n+1}}|\mathrm{d}|_{q})|_{q})|_{q},|_{q})|_{q})|_{q}$,

$$\mathrm{R} = {}^{{}^{{}^{\cdots G}\cdots G}G}| {}^{{}^{\cdots G}\cdots G}{}^{G}|\mathrm{d}|_{q}$$

${}^{R}|^{R}|\mathrm{d}|_{q}$,

$$\mathrm{S(n)} = = {}^{{}^{{}^{\cdots G_n}\cdots G_2}G_1}| {}^{{}^{{}^{\cdots G_n}\cdots G_2}G_1}|\mathrm{d}|_{q},$$

${}^{\mathrm{Rn}}|^{\mathrm{Rn}}|\mathrm{d}|_{q}$,

${}^{R}|^{R}|({}^{R}|^{R}|({}^{R}|^{R}|\mathrm{d}|_{q})|_{q})|_{q}$,

${}^{R}|^{R}|({}^{R}|^{R}|({}^{R}|^{R}| \ldots {}^{R}|^{R}|({}^{R}|^{R}|({}^{R}|^{R}|\mathrm{d}|_{q})|_{q})|_{q},|_{q})|_{q})|_{q}$,

${}^{R_1}|^{R_1}|({}^{R_2}|^{R_2}|({}^{R_3}|^{R_3}|\mathrm{d}|_{q})|_{q})|_{q}$,

${}^{R_1}|^{R_1}|({}^{R_2}|^{R_2}|({}^{R_3}|^{R_3}| \ldots {}^{R_{n-1}}|^{R_{n-1}}|({}^{R_n}|^{R_n}|({}^{R_{n+1}}|^{R_{n+1}}|\mathrm{d}|_{q})|_{q})|_{q},|_{q})|_{q})|_{q}$,

${}^{\mathrm{S(n)}}|^{\mathrm{S(n)}}|({}^{\mathrm{S(n)}}|^{\mathrm{S(n)}}|({}^{\mathrm{S(n)}}|^{\mathrm{S(n)}}|\mathrm{d}|_{q})|_{q})|_{q}$,

${}^{\mathrm{S(n)}}|^{\mathrm{S(n)}}|({}^{\mathrm{S(n)}}|^{\mathrm{S(n)}}|({}^{\mathrm{S(n)}}|^{\mathrm{S(n)}}| \ldots {}^{\mathrm{S(n)}}|^{\mathrm{S(n)}}|({}^{\mathrm{S(n)}}|^{\mathrm{S(n)}}|({}^{\mathrm{S(n)}}|^{\mathrm{S(n)}}|\mathrm{d}|_{q})|_{q})|_{q},|_{q})|_{q})|_{q}$,

${}^{\mathrm{S(n_1)_1}}|^{\mathrm{S(n_1)_1}}|({}^{\mathrm{S(n_2)_2}}|^{\mathrm{S(n_2)_2}}|({}^{\mathrm{S(n_3)_3}}|^{\mathrm{S(n_3)_3}}|\mathrm{d}|_{q})|_{q})|_{q}$,

${}^{\mathrm{S(n_1)_1}}|^{\mathrm{S(n_1)_1}}|({}^{\mathrm{S(n_2)_2}}|^{\mathrm{S(n_2)_2}}|({}^{\mathrm{S(n_3)_3}}|^{\mathrm{S(n_3)_3}}| \ldots {}^{\mathrm{S(n_{n-1})_{n-1}}}|^{\mathrm{S(n_{n-1})_{n-1}}}|($
${}^{\mathrm{S(n_n)_n}}|^{\mathrm{S(n_n)_n}}|({}^{\mathrm{S(n_{n+1})_{n+1}}}|^{\mathrm{S(n_{n+1})_{n+1}}}|\mathrm{d}|_{q})|_{q})|_{q},|_{q})|_{q})|_{q}$, etc.

Definition 19. Set-pself$_q$ of set {A} = (a_1, a_2, …, a_n) of the first type is containment of a_i into a_j and expelling a_i from a_j by q simultaneously ∀i, j, a_i∈{A}, a_j ∈{A}. Designation is $|_{p}\mathrm{A}||_{q1}$.

Definition 19.0. ^{cy}pself$_q$ of by structure of set {A} of the first type is containment one and the same g itself by q instead containment of a_i into a_j and expelling one and the same g itself by q instead of expelling a_i from a_j by q simultaneously ∀i, j, a_i∈{A}, a_j ∈{A} and by structure $|_{p}\mathrm{A}||_{q1}$. Designation is ${}^{cy_1}_{\{A\}}pself_q(g)$.

Definition 20. Set-pself$_q$ of set {A} = (a_1, a_2, …, a_n) of the second type is containment of a_i into a_j and expelling a_i from a_j by q simultaneously ∀i, j∈{D}, {D}⊂ (1, 2, …, n). Designation is $|_{p}\mathrm{A}||_{q2}$.

Definition 20.0. ^{cy}pself$_q$ of set {A} = (a_1, a_2, …, a_n) of the second type is containment one and the same g itself by q instead containment of a_i into a_j and expelling one and the same g itself by q instead of expelling a_i from a_j by q simultaneously ∀i, j∊{D}, {D}⊂ (1, 2, …, n) and by structure $|_p A||_{q2}$. Designation is ${}^{cy_2}_{\{A\}/\{D\}}pself_q(g)$.

Definition 20.1. Set-pself$_q$ of set {A} for N-dimensional space of the first type is containment of any element v ϵ {A} into any element w ϵ {A} and expelling of any element v ϵ {A} from any element w ϵ {A} by q simultaneously for ∀ elements of {A}. Designation is $|_p A||_{q1_N}$.

Definition 20.2. ^{cy}pself$_q$ of by structure of set {A} for N-dimensional space of the first type is containment one and the same g itself by q instead of containment of any element v ϵ {A} into any element w ϵ {A} and expelling one and the same g itself by q instead of expelling of any element v ϵ {A} from any element w ϵ {A} by q simultaneously for ∀ elements of {A} and by structure $|_p A||_{q1_N}$. Designation is ${}^{cy_{1_N}}_{\{A\}}pself_q(g)$.

Definition 21.1. Set-pself$_q$ of set {A} for N-dimensional space of the second type is containment of any element v ϵ {D} into any element w ϵ {D}and expelling of any element v ϵ {D} from any element w ϵ {D} by q by q simultaneously for ∀ elements of {D}, {D}⊂ {A}. Designation is $|_p A||_{q2_N}$.

Definition 21.2. ^{cy}pself$_q$ of set {A} = (a_1, a_2, …, a_n) for N-dimensional space of the second type is containment one and the same g itself by q instead expelling of any element v ϵ {A} into any element w ϵ {A}expelling one and the same g itself by q instead expelling of any element v ϵ {A} from any element w ϵ {A}for ∀ elements of {A} by q simultaneously and by structure $|_p A||_{q2_N}$. Designation is ${}^{cy_{2_N}}_{\{A\}/\{D\}}pself_q(g)$.

Definition 22. Set-pself$_q$ of set {A} = (a_1, a_2, …, a_n) of the third type is containment of a_i into a_j and expelling a_i from a_j by q simultaneously ∀i, j∊{D}, {D}is cyclical set from (1, 2, …, n). Designations are ${}^{u}_{D}|_p A||_q$ for usual cyclical set, ${}^{8}_{D}|_p A||_q$ for 8-cyclical set, ${}^{M}_{D}|_p A||_q$ for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 22.0. ^{cy}pself$_q$ of set {A} of the third type is containment one and the same g itself by q instead of containment of any element v ϵ {D} into any element w ϵ {D}and expelling one and the same g itself by q instead of expelling of any element v ϵ {D} from any element w ϵ {D} by q simultaneously for ∀ elements of {D}, {D}⊂ {A}, {D}is cyclical set and by structure ${}^{u}_{D}|_p A||_q$. Designations are ${}^{cy_3}_{\{A\}/\{D\}}pself_q(g)$ for usual cyclical set, ${}^{cy_8}_{\{A\}/\{D\}}pself_q(g)$ for 8-cyclical set, ${}^{cy_M}_{\{A\}/\{D\}}pself_q(g)$ for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 22.1. Set-^{cy}pself$_q$ of set {A} for N-dimensional space of the third type is containment of any element v ϵ {D} into any element w ϵ {D}and expelling of any element v ϵ {D} from any element w ϵ {D} by q simultaneously for ∀ elements of {D}, {D}⊂ {A}, {D}is cyclical set. Designations are ${}^{u_N}_{D}|_p A||_q$ for usual cyclical set, ${}^{8_N}_{D}|_p A||_q$ for 8-cyclical set, ${}^{M_N}_{D}|_p A||_q$ for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 22.2. ^{cy}pself$_q$ of set {A} for N-dimensional space of the third type is containment one and the same g itself by q instead containment of any element v ϵ {D} into any element w ϵ {D}and expelling one and the same g itself by q instead expelling of any element v ϵ {D} from any element w ϵ {D} by q simultaneously for ∀ elements of {D}, {D}⊂ {A}, {D}is cyclical set and by structure ${}^{u_N}_{D}|_p A||_q$. Designations are ${}^{cy_{3_N}}_{\{A\}/\{D\}}pself_q$(g) for usual cyclical set, ${}^{cy_{8_N}}_{\{A\}/\{D\}}pself_q$(g) for 8-cyclical set, ${}^{cy_{M_N}}_{\{A\}/\{D\}}pself_q$(g) for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 23. Set-pself$_q$ of hypercyclic set {A} of the fourth type is containment of elements following one another, the previous one into the next and expelling elements following one another, the previous one from the next by q simultaneously. Designation is ${}^{h}_{D}|_p A||_q$. The minimal continual set containing the hypercyclic set {A} and closed on itself according to the same sequential scenario is called the exset-oself of {A} and designate by ${}^{h}_{D}|_p A||_{qex}$.

Definition 23.0. ^{hy}pself$_q$ of hypercyclic set {A} of the fourth type is containment one and the same g itself by q instead containment of elements following one another, the previous one into the next and expelling one and the same g itself by q instead expelling of elements following one another, the previous one from the next by q simultaneously and by structure ${}^{h}_{D}|_p A||_q$. Designation is ${}^{hy}_{\{A\}}ps$elf$_q$(g). The minimal continual set containing the hypercyclic set {A} and ^{hy}pself$_q$ of closed on itself according to the same sequential scenario designate by ${}^{hy_{ex}}_{\{A\}}ps$elf$_q$(g).

Definition 24.0. Set-pself$_q$ of hypercyclic set {A} for N-dimensional space of the fourth type is expelling of elements following one another, the previous one from the next and containment of elements following one another, the previous one into the next by q simultaneously. Designation is ${}^{h_N}_{D}|_p A||_q$. The minimal continual set containing the hypercyclic set {A} and closed on itself according to the same sequential scenario is called the exset-pself of {A} and designate by ${}^{h_N}_{D}|_p A||_{qex}$.

Definition 24.1. ^{hy}pself$_q$ of hypercyclic set {A} for N-dimensional space of the fourth type is containment one and the same g itself by q instead containment of elements following one another, the previous one into the next and expelling one and the same g itself by q instead expelling of elements following one another, the previous one from the next by q simultaneously and by structure ${}^{h_N}_{D}|_p A||_q$. Designation is ${}^{hy_{1_N}}_{\{A\}}ps$elf$_q$(g). The minimal continual set containing the hypercyclic set {A} and ^{hyp}self of closed on itself according to the same sequential scenario designate by ${}^{hy_{ex_N}}_{\{A\}}ps$elf$_q$(g).

Definition 25. Result-^{d}pself$_q$ of set {A} = (a_1, a_2, …, a_n) of the first type is d of a_i into a_j and d^{-1} of a_i from a_j by q simultaneously ∀i, j, a_iϵ{A}, a_j ϵ{A}. Designation is ${}^{d}|_p A||_{q1}$.

Definition 25.0. ^{cyd}pself$_q$ of by structure of set {A} of the first type is d of one and the same g itself by q instead of d of a_i into a_j and d^{-1} of one and the same g itself by q instead of d^{-1} of a_i from a_j by q simultaneously ∀i, j, a_iϵ{A}, a_j ϵ{A} and by structure ${}^{d}|_p A||_{q1}$. Designation is ${}^{cyd_1}_{\{A\}}ps$elf$_q$(g).

Definition 25.1. Result-pself$_q$ of set {A} for N-dimensional space of the first type is d of any element v ϵ {A} into any element w ϵ {A} and d^{-1} of any element v ϵ {A} from any element w ϵ {A} by q simultaneously for ∀ elements of {A}. Designation is $^{d}|_{p}A||_{q1_N}$.

Definition 25.2. ^{cyd}pself$_q$ of by structure of set {A} for N-dimensional space of the first type is d of one and the same g itself by q instead of d of any element v ϵ {A} into any element w ϵ {A}and d^{-1} of one and the same g itself by q instead d^{-1} of any element v ϵ {A} from any element w ϵ {A} by q simultaneously for ∀ elements of {A}.and by structure $^{d}|_{p}A||_{q1_N}$. Designation is $^{cyd_{1_N}}_{\{A\}}pself_q(g)$.

Definition 26. Result-^{d}pself$_q$ of set {A} = (a_1, a_2, …, a_n) of the second type is d of a_i into a_j and d^{-1} of a_i from a_j by q simultaneously ∀i, jϵ{Q}, {Q}⊂ (1, 2, …, n). Designation is $^{d}|_{p}A||_{q2}$.

Definition 26.0. ^{cyd}pself$_q$ of set {A} = (a_1, a_2, …, a_n) of the second type is d of one and the same g itself by q instead of d of a_i into a_j and d^{-1} of one and the same g itself by q instead of d^{-1} of a_i from a_j by q simultaneously ∀i, jϵ{Q}, {Q}⊂ (1, 2, …, n) and by structure $^{d}|_{p}A||_{q2}$. Designation is $^{cyd_2}_{\{A\}/\{Q\}}pself_q(g)$.

Definition 26.1. Result-^{d}pself$_q$ of set {A} for N-dimensional space of the second type is d of any element v ϵ {Q} into any element w ϵ {Q}and d^{-1} of any element v ϵ {Q} from any element w ϵ {Q} by q simultaneously for ∀ elements of {Q}, {Q}⊂ {A}. Designation is $^{d}|_{p}A||_{q2_N}$.

Definition 26.2. ^{cyd}pself$_q$ of set {A} for N-dimensional space of the second type is d of one and the same g itself by q instead d of any element v ϵ {Q} into any element w ϵ {Q}and d^{-1} of one and the same g itself by q instead d^{-1} of any element v ϵ {A} from any element w ϵ {A} by q simultaneously for ∀ elements of {Q}, {Q}⊂ {A}. and by structure $^{d}|_{p}A||_{q2_N}$. Designation is $^{cyd_{2_N}}_{\{A\}/\{Q\}}pself_q(g)$.

Definition 27. Result-^{d}pself$_q$ of set {A} = (a_1, a_2, …, a_n) of the third type is d of a_i into a_j and d^{-1} of a_i from a_j by q simultaneously ∀i, jϵ{Q}, {Q}is cyclical set from (1, 2, …, n)∀i, jϵ{Q}, {Q}is cyclical set from (1, 2, …, n). Designations are $^{u}_{D}|_{p}A|^{d}|_{q}$ for usual cyclical set, $^{8}_{D}|_{p}A|^{d}|_{q}$ for 8-cyclical set, $^{M}_{D}|_{p}A|^{d}|_{q}$ for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 27.0. ^{cyd}pself$_q$ of set {A} = (a_1, a_2, …, a_n) of the third type is d of one and the same g itself by q instead d of a_i into a_j and d^{-1} of one and the same g itself by q instead of a_i from a_j by q simultaneously ∀i, jϵ{Q}, {Q}is cyclical set from (1, 2, …, n) and by structure $^{u}_{D}|_{p}A|^{d}|_{q}$. Designations are $^{cyd_3}_{\{A\}/\{D\}}pself_q(g)$ for usual cyclical set, $^{cy_8}_{\{A\}/\{Q\}}pself_q(g)$ for 8-cyclical set, $^{cyd_M}_{\{A\}/\{Q\}}pself_q(g)$ for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 27.1. Result-^{cyd}pself$_q$ of set {A} for N-dimensional space of the third type is d of any element v ϵ {Q} into any element w ϵ {Q}and d^{-1} of one and the same g itself instead d^{-1} of any element v ϵ {Q} from any element w ϵ {Q} by q simultaneously for ∀ elements of {Q}, {Q}⊂ {A}, {Q}is cyclical set. Designations are $^{u_N}_{Q}|_{p}A|^{d}|_{q}$ for usual cyclical set, $^{8_N}_{D}|_{p}A|^{d}|_{q}$ for 8-cyclical set, $^{M_N}_{Q}|_{p}A|^{d}|_{q}$ for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 28.2. ^{cyd}pself$_q$ of set {A} for N-dimensional space of the third type is d of one and the same g itself by q instead containment of any element v ϵ {Q} into any element w ϵ {Q}and d^{-1} of one and the same g itself by q instead d^{-1} of any element v ϵ {Q} from any element w ϵ {Q} by q simultaneously for ∀ elements of {Q}, {Q}⊂ {A}, {Q}is cyclical set and by structure ${}^{u_N}_{Q}|_p A|^d|_q$. Designations are ${}^{cyd_{3_N}}_{\{A\}/\{Q\}}pself_q$(g) for usual cyclical set, ${}^{cyd_{8_N}}_{\{A\}/\{Q\}}pself_q$(g) for 8-cyclical set, ${}^{cyd_{M_N}}_{\{A\}/\{D\}}pspelf_q$(g) for cyclical set of Möbius strip type etc. Here cyclical set may be any, in particular, continual cyclical set and have any type.

Definition 29. Result-^{d}self$_q$ of hypercyclic set {A} of the fourth type is d of elements following one another, the previous one into the next and d^{-1} of elements following one another, the previous one from the next by q simultaneously. Designation is ${}^{h}_{D}|_p A|^d|_q$. The minimal continual set containing the hypercyclic set {A} and closed on itself according to the same sequential scenario is called the exset-pself of {A} and designate by ${}^{h}_{D}|_p A|^d|_{qex}$.

Definition 30.0. ^{hyd}pself$_q$ of hypercyclic set {A} of the fourth type is d of one and the same g itself by q instead d of elements following one another, the previous one into the next and d^{-1} of one and the same g itself by q instead d^{-1} of elements following one another, the previous one from the next by q simultaneously and by structure ${}^{h}_{Q}|_p A|^d|_q$. Designation is ${}^{hyd_1}_{\{A\}}ps$elf$_q$(g). The minimal continual set containing the hypercyclic set {A} and ^{hyd}pself$_q$ of closed on itself according to the same sequential scenario designate by ${}^{hyd_{ex}}_{\{A\}}ps$elf$_q$(g).

Definition 30.1. Result-^{d}pself$_q$ of hypercyclic set {A} for N-dimensional space of the fourth type is d of elements following one another, the previous one into the next and d^{-1} of elements following one another, the previous one from the next by q simultaneously. Designation is ${}^{h_N}_{Q}|_p A|^d|_q$. The minimal continual set containing the hypercyclic set {A} and closed on itself according to the same sequential scenario is called the exset-self of {A} and designate by ${}^{h_N}_{Q}|_p A|^d|_{qex}$.

Definition 30.2. ^{hyd}pself$_q$ of hypercyclic set {A} for N-dimensional space of the fourth type is d of one and the same g itself by q instead d of elements following one another, the previous one into the next and d^{-1} of one and the same g itself by q instead of d^{-1} of elements following one another, the previous one from the next by q simultaneously and by structure ${}^{h_N}_{Q}|_p A|^d|_q$. Designation is ${}^{hyd_{1_N}}_{\{A\}}ps$elf$_q$(g). The minimal continual set containing the hypercyclic set {A} and ^{hyd}pself$_q$ of closed on itself according to the same sequential scenario designate by ${}^{hyd_{ex_N}}_{\{A\}}pself_q$(g).

May consider partial set-self$_q$, partial set-oself$_q$, partial set-pself$_q$, partial ^{cy}self$_q$, partial ^{hy}self$_q$, partial ^{hy}oself$_q$, partial ^{cy}oself$_q$, partial ^{hy}pself$_q$, partial ^{cy}pself$_q$ etc.

May consider partial set-^{d}self$_q$, partial set-^{d}oself$_q$, partial set-^{d}pself$_q$, partial ${}^{G}|^{G}|$d|, partial G-^{d}self$_q$, partial ^{cyd}self$_q$, partial ^{hyd}self$_q$, partial ^{hyd}oself$_q$, partial ^{cyd}oself$_q$, partial ^{hyd}pself$_q$, partial ^{cyd}pself$_q$, partial $^{G|Gd}$self$_q$, partial $^{G|Gd}$oself$_q$, partial $^{G|Gd}$pself$_q$ etc.

If set is the result of the containment process, then instead of set in the general case for d, we will restrict ourselves to using the concept of result from d.

Remark. May consider the next generalizations of |||:

1) $|||_{|||}$,
2) $|||_{|||_{|||_{\dots|||_{\dots}}}}$,
3) $||d|_{||d|}$,
4) $||d|_{||d|_{||d|_{\dots||d|_{\dots}}}}$,
5) $^{G}||d|\,{}^{G}{}_{||d|}$,
6) $^{G}||d|\,{}^{G}{}_{||d|\,{}^{G}{}_{||d|_{\dots}\,{}^{G}{}_{||d|_{\dots}}}}$,
7) etc

Manipulations with Entanglements, in particular, for replacement any A with any B by upper level etc. Also, Manipulations with Entanglements may be realized by use Networks SmnSprt []of ultra-high-frequency electric currents with different frequencies and minimal amplitude and electric current with ultra-high-frequency change of its frequencies simultaneously etc. In real time here dynamic scanning is used to have A with target weight to any B with transition to upper level and to get B into normal level etc. Here corresponding dynamic programming is used. One of the elements for such scanning is planned to be the use of a suitably modernized short-pulse laser, an electric arc with minimal amplitude etc.

Remark. May consider A$||itself|$B, A$||self - containment|$B, $^{G}|^{G}|$SmnSprt|, $^{\text{SmnSprt}}|^{\text{SmnSprt}}|$SmnSprt| etc.

1.2 Some interpretation types

The theory of interpretations is the Unified geometric theory of energies.

(2, 1)-interpretation for A and B: A|||B

(3, 1)-interpretation for A and B and C: A|||B|||C is $\begin{matrix} A & & B \\ & ||| & \\ & C & \end{matrix}$, it not to be confused with A|||(B|||C) or (A|||B)|||C, what is achieved through (2, 1)-interpretation.

All of the previous, in particular, Definitions can be generalized to (3, 1)-interpretation.

(1, (Q, R)) is $^{(Q, B)}$self, (1, (Q, R))(D) is $^{(Q, B)}$self(D).

(2, 1)-interpretation ϵ |||, (N, 1)-interpretation ϵ |||, N > 2 etc.

(1, 2)-interpretation ϵ $|||^{-1}$, (1, M)-interpretation ϵ $|||^{-1}$, M > 2 etc.

(a, b) |||(c, d) = ((a, (c, d)), ((b, (c, d))) = (((a, c), (a, d)), ((b, c), (b, d))), i.e., the same two places simultaneously.

$\binom{(2,1)}{(1,2)}$-interpretation or (2, 1)↑ |↓(1, 2)-interpretation is equal (((2, 1), (1, 2)), 1)-interpretation. $\binom{(1,2)}{(2,1)}$-interpretation or (1, 2)↑ |↓(2, 1)-interpretation is equal (((1, 2), (2, 1)), 1)-interpretation.

Let us introduce the notations:

1) (w, u)-self(A) is (1, (w, u))-interpretation. For example, (2, 1)-self(A) = self(A), (1, 2)-self(A) = oself(A),
2) (w, u)- ||| is (w, u)-interpretation. For example, (2, 1)- ||| = |||, (1, 2)- ||| = $|||^{-1}$ etc.

For two:

A|| > |B is A>B and B>A simultaneously.

A||≠| B is A≠B and B=A simultaneously.

In A|||B, the A connections become B connections and vice versa simultaneously.

(a, b) |||(c, d) = ((a, (c, d)), ((b, (c, d))) = (((a, c), (a, d)), ((b, c), (b, d))) , i.e., the same 2 places at the same time.

pa||| = paself(containment), ||| = self(containment), pa||d| = paself(d), ||d| = self(d).

A|||B manifests on the lower level of A and B. A|||B from our position is a process, and from the top-level position it is a result.

Definition 31.0. Dynamic operator SCSprt$\begin{matrix}a\\g\\b\end{matrix}$ is containment a to b and b to a simultaneously. SCSprt$\begin{matrix}a\\g\\b\end{matrix}$ ϵ a$||_g$b or SCSprt$\begin{matrix}a\\g\\b\end{matrix}$ ⊂ a$||_g$b.

A||d| B is A d B and B d A simultaneously.

Для N: SCSprt $\begin{matrix}a_1\\g\\\cdots\\g\\a_N\end{matrix}$ is containment by g a_1 to a_2 and a_2 to a_1,…, a_i to a_j and a_j to a_i, … ∀i, j simultaneously.

Remark. May consider SCSprt$\begin{matrix}d\\d\\d\end{matrix}$, SCSprt $\begin{matrix}d\\d\\-d\end{matrix}$, $|||^{\frac{3}{2}}$ = |||(|||)|||, $|||^r$, $||d|^r$, ||chaos|, chaos-self, self(chaos), self-randomnicity, oself-randomnicity etc.

2self ≠ self^2 (i.e., (1, (4, 1)) ≠ ((1, (2, 1)), (2, 1))).

(2 objects, 1 place of space)-interpretation, ((1 place of space, (2 places of space, 1 object)) = (1 object, 2 places of space), ((1 place of space, (1 place of space, 2 objects)) = (2 objects, 1 place of space) etc.

||| is a more subtle connection than self, Rn-type of ||| is even more subtle, Zn-type of ||| is even more subtle, etc.

$|||_D \subset |||$, ∀D,

$||d|_Q \subset ||d|$, ∀Q,

A = oself(self(A)) = oself(A|||A),

A, B = $|||^{-1}_{(A,B)}$ A|||B,

B = $|||^{-1}_{(A,B)}$ A|||B – A,

A = A$|||^0$A,

$|||^{-1}_{(A,A)}$ A = oself(A),

$|||^{-1}_{(A,A,A)}$ A,

$|||^{-1}_{(A,A,\ldots,A)}$ A,

R^n-type of |||,

Z^n-type of |||,

$(a + ib)^n$-type of |||.

self from any degenerate connection. Any G-type of |||, G is any structure, objects, action, process etc. In any G, any closure of Q onto itself can be used as the basis for constructing ||Q|. Any G-type of $|||^{-1}$, G is any structure, objects, action, process etc.

R^n-type of $|||^{-1}$,

Z^n-type of $|||^{-1}$,

$(a + ib)^n$-type of $|||^{-1}$,

By 2-

R^n-type of $|||(|||)|||^{-1}$,

Z^n-type of $|||(|||)|||^{-1}$,

$(a + ib)^n$-type of $|||(|||)|||^{-1}$,

R^n-type of $|/\backslash(|||)|/\backslash^{-1}$,

Z^n-type of $|/\backslash(|||)|/\backslash^{-1}$

$(a + ib)^n$-type of $|/\backslash(|||)|/\backslash^{-1}$,

R^n-type of $|/\backslash(\uparrow | \downarrow)|/\backslash^{-1}$,

Z^n-type of $|/\backslash(\uparrow | \downarrow)|/\backslash^{-1}$

$(a + ib)^n$-type of $|/\backslash(\uparrow | \downarrow)|/\backslash^{-1}$.

G is any space, structure and it may be connected to new type of $|||$, self or $|||^{-1}$, oself or any etc.

In the nuclei of atoms, the bond between nucleons by n-$|||$. That's why it's difficult by $|||^{-1}$.

Living energy (energy in itself p(a)self) is the generator (source) of itself.

A special ANS operator that reacts to any contact by capturing arguments $SCprt \begin{matrix} ANS \\ g \\ b \end{matrix} = \begin{matrix} ANS \\ g \\ b \end{matrix} SCprt$, $\forall b$

Some special *connections*

Connection is fundamental to understanding our world. Everything is expressed through connections; an object (matter) is self-connection in the form of energy closed in on itself; all forms of energy are forms of connection, information, thoughts are forms of connection, in particular, Vernadsky's noosphere is an example of this, and so on etc. May consider connections space, connections formats space, connections numbers space, quantum levels of connections. etc. In particular, space is an example of connection etc. Connection formats allow you to establish any connections. Any connection can have any formats simultaneously. Setting the desired format is precisely what allows for the manipulation of the connection.

May consider following concepts $SCSrt \begin{matrix} connection \\ g_1 \\ \dots \\ g_1 \\ connection \end{matrix}$, $\begin{matrix} connection \\ g_1 \\ \dots \\ g_1 \\ connection \end{matrix} SCSrt \begin{matrix} connection \\ g_1 \\ \dots \\ g_1 \\ connection \end{matrix}$,

$SCSrt \begin{matrix} connection\ format \\ g_1 \\ \dots \\ g_1 \\ connection\ format \end{matrix}$, $\begin{matrix} connection\ format \\ g_1 \\ \dots \\ g_1 \\ connection\ format \end{matrix} SCSrt \begin{matrix} connection\ format \\ g_1 \\ \dots \\ g_1 \\ connection\ format \end{matrix}$, $SCSrt \begin{matrix} format \\ g_1 \\ \dots \\ g_1 \\ format \end{matrix}$,

$\begin{matrix} format \\ g_1 \\ \dots \\ g_1 \\ format \end{matrix} SCSrt \begin{matrix} format \\ g_1 \\ \dots \\ g_1 \\ format \end{matrix}$ etc.

$\begin{matrix} connections\ D \\ g \\ a \end{matrix} SCprt \begin{matrix} a \\ g \\ connections\ D \end{matrix}$, $\begin{matrix} connections\ D_{all} \\ g \\ all \end{matrix} SCprt \begin{matrix} all \\ g \\ connections\ D_{all} \end{matrix}$,

$\overset{connections\ D}{\underset{a}{g}}$ SCprt $\in$ nagual (chaos or emptiness), SCprt $\overset{a}{\underset{connections\ D}{g}}$ $\in$ tonal (order), $\overset{connections\ D_{all}}{\underset{all}{g}}$ SCprt corresponds to nagual (chaos or emptiness), SCprt $\overset{all}{\underset{connections\ D_{all}}{g}}$ corresponds to tonal (order).

SmnSprt must to correspond to this type.

If set is the result of the containment process, then instead of set in the general case for d, we will restrict ourselves to using the concept of result from d. d-capacity is result of d.

May consider d- *connections*, self- *connections*, ||d|-result, format A||d| format B, format $A^{\text{format }A^{\text{format }A^{\cdots}}}$, self-format, oself-format, pself-format, d-format etc.

May consider following singularities:

1) Connection of all connections, designation is ∞-connection,
2) Connection into all connections, designation is i∞-connection,
3) Connection from all connections, designation is fr∞-connection,
4) Connection for all connections, designation is fo∞-connection
5) Etc.

Dynamic Connections Hierarchy

May consider following dynamic operators:

1) $\overset{connections\ D}{\underset{hierarchy\ a}{g}}$ SHSprt $\overset{hierarchy\ a}{\underset{connections\ D}{g}}$, which contains hierarchy a into $connections\ D$ and expels hierarchy a from $connections\ D$ simultaneously.
2) SHSprt $\overset{hierarchy\ a}{\underset{connections\ D}{g}}$, which contains hierarchy a into $connections\ D$.
3) $\overset{connections\ D}{\underset{hierarchy\ a}{g}}$ SHSprt , which expels hierarchy a from $connections\ D$ simultaneously.
4) Etc.

May consider following dynamic fuzzy operators:

fuzzy $connections\ D$ fuzzy hierarchy a
g SfHSprt g , which contains fuzzy hierarchy a into
fuzzy hierarchy a fuzzy $connections\ D$

fuzzy$connections\ D$ and expels fuzzy hierarchy a from fuzzy $connections\ D$ simultaneously.

fuzzy hierarchy a
SHSprt g , which contains fuzzy hierarchy a into fuzzy $connections\ D$.
fuzzy $connections\ D$

fuzzy $connections\ D$
g SHSprt , which expels fuzzy hierarchy a from fuzzy $connections\ D$
fuzzy hierarchy a

simultaneously. Etc.

fuzzy $connections\ D$ fuzzy hierarchy a
g SfHSprt g , which contains fuzzy hierarchy a into
fuzzy hierarchy a fuzzy $connections\ D$

fuzzy $connections\ D$ and expels fuzzy hierarchy a from $connections\ D$ simultaneously.

fuzzy hierarchy a
SHSprt g , which contains fuzzy hierarchy a into fuzzy $connections\ D$.
fuzzy $connections\ D$

fuzzy $connections\ D$
g SHSprt , which expels fuzzy hierarchy a from fuzzy $connections\ D$
fuzzy hierarchy a

simultaneously. Etc.

May consider following dynamic chaotic operators:

$connections\ D$ chaotic hierarchy a
g SchHSprt g , which contains chaotic hierarchy a into
chaotic hierarchy a $connections\ D$

$connections\ D$ and expels chaotic hierarchy a from $connections\ D$ simultaneously.

chaotic hierarchy a
SHSprt g , which contains chaotic hierarchy a into $connections\ D$.
$connections\ D$

fuzzy $connections\ D$
g SHSprt , which expels chaotic hierarchy a from fuzzy $connections\ D$
chaotic hierarchy a

simultaneously. Etc.

$connections\ D$ fuzzy hierarchy a
g SfHSprt g , which contains fuzzy hierarchy a into
fuzzy hierarchy a $connections\ D$

$connections\ D$ and expels fuzzy hierarchy a from $connections\ D$ simultaneously.

SHSprt $\begin{matrix} \text{fuzzy hierarchy } a \\ g \\ connections\ D \end{matrix}$, which contains fuzzy hierarchy a into $connections\ D$.

$\begin{matrix} connections\ D \\ g \\ \text{fuzzy hierarchy } a \end{matrix}$ SHSprt , which expels fuzzy hierarchy a from $connections\ D$

simultaneously, self- fuzzy hierarchy, ||d|- hierarchy, ^{G}||d|- hierarchy etc.

May consider following examples of hierarchical formats interpretations:

1) FC = $\begin{pmatrix} \dots \\ (n,1) \\ \dots \\ (n,\ m) \\ \dots \\ (2,1) \\ (1,1) \\ (1,2) \\ \dots \end{pmatrix}$,

2) $\begin{pmatrix} \dots \\ (w,u) \\ \dots \\ (D,R) \\ \dots \end{pmatrix}$

3) ^{FC}||FC|

4) Etc.

May consider following examples of dynamic hierarchical sets:

1) $A_h = \begin{pmatrix} (2,1) - A_h \\ (1,1) - A_h \end{pmatrix}$,

2) $\begin{pmatrix} result\ of\ d - connections\ by\ format\ (2,1) \\ result\ of\ d - connections\ by\ format\ (1,1) \end{pmatrix}$,

3) Etc.

Remark. Of course, it is possible without hierarchy through the space of connections with any formats.

Let’s consider the norm for 2- connections of the element x = (A, B) of this space:

||x|| = ||A||(||A||-||B||),

for 3- connections of the element x = $\begin{matrix} A & - & B \\ & | & \\ & C & \end{matrix}$ may consider the norm as the average of the norms for the manifestations of this 3-connection at the level of 2-connections.

Conditional Activation

Conditional activation of object A (replacing A with B): ($|||_A$ to) B or $|||^r_A$ B or A\B are designations. If it is carried out through the nagual, then the connection A|||B is established, and if it is carried out through the tonal, then the connection A|||B is found. Scanning AB by SmnSprt in the ||| mode automatically leads to A|||B and then to B. SmnSprt$|||^r_A$ B, here all neurons activates by this target weight, but the vision of the process itself will be unavailable to us since it is through the upper level; we will only receive the result. By upper level may be created objects, actions, processes etc.

1.6 Some structures of living organism

$\mathrm{SCrt}\overset{a}{\underset{a}{g}}$ is usual self(a), $\mathrm{SCprt}\overset{a}{\underset{a}{g}}$ is dynamic selfd(a).

The structure of crystal is determined by own molecule; a structure of living organism is determined by own molecule DNA. The structure of SmnSprt is determined by own DNA in own neurons.

$\mathrm{SCprt}\overset{a}{\underset{a}{g}}|||\overset{a}{\underset{a}{g}}\,\mathrm{SCprt}$ may be manifested to $(\mathrm{SCprt}\overset{a}{\underset{a}{g}} + \mathrm{SCprt}\overset{a}{\underset{\{\}}{g}})|||\overset{a}{\underset{a}{g}}\,\mathrm{SCprt} = \mathrm{SCprt}\overset{a}{\underset{a}{g}}|||\overset{a}{\underset{a}{g}}\,\mathrm{SCprt} + \mathrm{SCprt}\overset{a}{\underset{\{\}}{g}}|||\overset{a}{\underset{a}{g}}\,\mathrm{SCprt}$

The double $\mathrm{SCprt}\overset{a}{\underset{\{\}}{g}}|||\overset{a}{\underset{a}{g}}\,\mathrm{SCprt}$ may be manifested to $\mathrm{SCprt}\overset{a}{\underset{b}{g}}|||(\overset{a}{\underset{a}{g}}\,\mathrm{SCprt} + \overset{\{\}}{\underset{a}{g}}\,\mathrm{SCprt}) = \mathrm{SCprt}\overset{a}{\underset{b}{g}}|||\overset{a}{\underset{a}{g}}\,\mathrm{SCprt} + \mathrm{SCprt}\overset{a}{\underset{b}{g}}|||\overset{\{\}}{\underset{a}{g}}\,\mathrm{SCprt} = \mathrm{SCprt}\overset{a}{\underset{b}{g}}|||\overset{a}{\underset{a}{g}}\,\mathrm{SCprt} + \mathrm{SCprt}\overset{a}{\underset{b}{g}}|||\overset{\{\}}{\underset{a}{g}}\,\mathrm{SCprt} + \mathrm{SCprt}\overset{a}{\underset{\{\}}{g}}|||\overset{\{\}}{\underset{a}{g}}\,\mathrm{SCprt} = \mathrm{SCprt}\overset{a}{\underset{b}{g}}|||\overset{a}{\underset{a}{g}}\,\mathrm{SCprt} + \mathrm{SCprt}\overset{a}{\underset{b}{g}}|||\overset{\{\}}{\underset{a}{g}}\,\mathrm{SCprt} + \mathrm{SCprt}\overset{a}{\underset{\{\}}{g}}|||\overset{\{\}}{\underset{a}{g}}\,\mathrm{SCprt} + \mathrm{SCprt}\overset{a}{\underset{\{\}}{g}}|||\overset{\{\}}{\underset{c}{g}}\,\mathrm{SCprt} = \mathrm{SCprt}\overset{a}{\underset{b}{g}}|||\overset{a}{\underset{a}{g}}\,\mathrm{SCprt} +$

$\mathrm{SCprt}\overset{a}{\underset{b}{g}}|||\overset{\{\}}{\underset{a}{g}}\,\mathrm{SCprt} + \mathrm{SCprt}\overset{a}{\underset{\{\}}{g}}|||\overset{\{\}}{\underset{a}{g}}\,\mathrm{SCprt} + \mathrm{SCprt}\overset{a}{\underset{\{\}}{g}}|||\overset{\{\}}{\underset{c}{g}}\,\mathrm{SCprt} + \mathrm{SCprt}\overset{\{\}}{\underset{\{\}}{g}}|||\overset{\{\}}{\underset{c}{g}}$ etc.

In the ordinary world, a detailed approach is in effect, from molecules, DNA; outside the approach by cocoon with the assemblage point is in effect.

$SCprt\underset{a}{\overset{a}{g}}|||\underset{a}{\overset{a}{g}}\ SCprt$ may be manifested to $(SCprt\underset{a}{\overset{a}{g}} + SCprt\underset{a}{\overset{\{\}}{g}})|||\underset{a}{\overset{a}{g}}\ SCprt = SCprt\underset{a}{\overset{a}{g}}|||\underset{a}{\overset{a}{g}}\ SCprt + SCprt\underset{a}{\overset{\{\}}{g}}|||\underset{a}{\overset{a}{g}}\ SCprt$

The double $SCprt\underset{a}{\overset{\{\}}{g}}|||\underset{a}{\overset{a}{g}}\ SCprt$ may be manifested to $SCprt\underset{a}{\overset{\{\}}{g}}|||(\underset{a}{\overset{a}{g}}\ SCprt +$

$\underset{a}{\overset{\{\}}{g}}\ SCprt) = SCprt\underset{a}{\overset{\{\}}{g}}|||\underset{a}{\overset{a}{g}}\ SCprt + SCprt\underset{a}{\overset{\{\}}{g}}|||\underset{a}{\overset{\{\}}{g}}\ SCprt = SCprt\underset{a}{\overset{\{\}}{g}}|||\underset{b}{\overset{a}{g}}\ SCprt + SCprt\underset{a}{\overset{\{\}}{g}}|||\underset{a-b}{\overset{a}{g}}\ SCprt$
$+ SCprt\underset{a}{\overset{\{\}}{g}}|||\underset{b}{\overset{\{\}}{g}}\ SCprt + SCprt\underset{a}{\overset{\{\}}{g}}|||\underset{a}{\overset{\{\}}{g}}\ SCprt +$

$SCprt\underset{a}{\overset{\{\}}{g}}|||\underset{c}{\overset{\{\}}{g}}\ SCprt + SCprt\underset{a}{\overset{\{\}}{g}}|||\underset{a-c}{\overset{\{\}}{g}}\ SCprt = SCprt\underset{a}{\overset{\{\}}{g}}|||\underset{a}{\overset{a}{g}}\ SCprt +$

$SCprt\underset{a}{\overset{\{\}}{g}}|||\underset{a}{\overset{\{\}}{g}}\ SCprt + SCprt\underset{\{\}}{\overset{a}{g}}|||\underset{a-c}{\overset{\{\}}{g}}\ SCprt + SCprt\underset{\{\}}{\overset{a}{g}}|||\underset{c}{\overset{\{\}}{g}}\ SCprt + SCprt\underset{\{\}}{\overset{\{\}}{g}}|||\underset{c}{\overset{\{\}}{g}}$ etc.

It is in the position of the assemblage point ||| of world energetic fibers occurs. So the position of the assemblage point is the closest upper level for the contents of the fibers. With a slight deviation from our assemblage point position, the magician "stands" as if apart from our world and, thanks to this, is capable of engaging in all sorts of unusual manipulations within it, provided he has the appropriate energy.

The subtle body consists of connections and anti-connections. The double consists of self-connections and oself-connections.

The approach of usual science is $|||_{\mathrm{B}}$. B is the usual scientific "clothing" for the studied from the splitting into the values of characteristics (ordinary abstractions) and connections: $|||_{C}^{-1}$, C = $(to$ the values of characteristics (ordinary

abstractions) and connections). The approach of usual science is fixed on this.

Our approach of dynamic science is $|||_{|||}$ by not through splitting into characteristic values, but through a synthesis of the subjects under study and their connections.

Our dynamic science is an energy-oriented science.

The subtle body consists of (subtle) connections. This is why the double consists of and develops from the corresponding connections and has no material body, and is capable of manipulation, particularly in unusual ways.

The impossibility of fully formalizing any mathematical apparatus that operates explicitly or implicitly with the **concept of** ∞ lies in this very concept. Such apparatus is **open**, and no **closed** systems of axioms and laws are fundamentally capable of enclosing it.

An equation may be considered as $|||_x\{a_x, c\}$ =b, a_x are places of sought-after

(unknown) x in mathematical space of operations in combination with the known parameters. Then x = $|||^{-1}{}_{(b,c)}\{|||_x\{a_x, c\} = b\}$. Also, for inequalities with unknowns, connections etc.

May consider $\left|\left|||d|_Q\right|_R\right.^{-1}$, $\left|\left|||d|_Q\right|_R\right.$, $||su|^{-1}$, $A|||_{|||}B$ etc.

Hierarchical Space

Let's consider hierarchical space with N levels. For example, object A in hierarchical space with 2 levels has usual physical (material) level in usual format (1, 1) [] and level of connections of A including external, internal connections in format (2, 1) [], forming body of format (2, 1) and level of connections of A including external, internal connections in format (1, 2) [], forming body of format (1, 2). Format (2, 1) and format (1, 2) give corresponding Entanglements: format (2, 1) for living and usual objects, format (1, 2) for Elementary Particles. For elements of each level, you can enter your own norm, in particular, through the corresponding measures from []. In particular, by increasing the number of levels by 1 we get formats (2, (2, 1)) and (1, 2(1, 2)) correspondingly.

Для elements каждого level можно ввести свою норму, в частн., через соответствующие меры из [].

Format (2, 1) and format (1, 2) give corresponding Entanglements: format (2, 1) for living and usual objects by $||d|_q$, format (1, 2) for Elementary Particles by $||d|_q^{-1}$.

May consider examples of structural hierarchy:

	...					...					...
		$\|\|su\|$				–				$\|\|d\|$	
			...			...			...		
				^{su}self(A)		–		^{di}self(B)			
					A	–	B				
1)	...	I	...	I	I		I	I	...	I	...
					C	–	D				
				^{IIdI}self(C)		–		^{ex}oself(B)			
			...			...			...		
		$\|\|\|d\|\|$				–				$\|\|ex\|^{-1}$	
	...					...					...

2) Definition. {λ}VVsprt{ξ} =

$$
\{\lambda\}^{\mathrm{VVs}}||su|\{\xi\},\ \{\lambda\} =
\begin{array}{c}
\cdots \\ C \\ \uparrow \\ \bar{P} \\ \uparrow \\ \bar{\bar{S}} \\ \uparrow \\ \overline{\overline{\overline{K}}} \\ \uparrow \\
\overbrace{\begin{array}{ccc}
\underline{D} & \leftarrow & C \\
\uparrow & & \uparrow \\
\underline{\underline{Q}} & & \bar{R} \\
\uparrow & & \uparrow \\
\underline{\underline{\underline{M}}} & & \bar{\bar{P}} \\
\uparrow & & \uparrow \\
||\mathrm{d}|^{-1} & & \bar{\bar{\bar{L}}} \\
\backslash & & \uparrow \\
 & & ||\mathrm{d}| \\
 & & /
\end{array}} \\
\overline{\overline{\overline{\overline{B}}}} \\ \uparrow \\ \tilde{\tilde{\tilde{W}}} \\ \uparrow \\ \bar{\tilde{\tilde{\tilde{J}}}} \\ \uparrow \\ \bar{\bar{\tilde{\tilde{\tilde{O}}}}} \\ \vdots \\
\begin{array}{ccc}
\underline{D} & \leftarrow & C \\
\uparrow & & \uparrow \\
\underline{\underline{Q}} & & \bar{R} \\
\uparrow & & \uparrow \\
\underline{\underline{\underline{M}}} & & \bar{\bar{P}} \\
\uparrow & & \uparrow \\
||\mathrm{su}|^{-1} & & \bar{\bar{\bar{L}}} \\
\backslash & & \uparrow \\
 & & ||\mathrm{su}| \\
 & & /
\end{array} \\
\tilde{\tilde{\tilde{\overline{\overline{\overline{\overline{F}}}}}}} \\ \cdots
\end{array}
,\ \{\xi\} =
\begin{array}{c}
\begin{array}{ccc}
\underline{D} & \leftarrow & C \\
\uparrow & & \uparrow \\
\underline{\underline{Q}} & & \bar{R} \\
\uparrow & & \uparrow \\
\underline{\underline{\underline{M}}} & & \bar{\bar{P}} \\
\uparrow & & \uparrow \\
||\mathrm{su}|^{-1} & & \bar{\bar{\bar{L}}} \\
\backslash & & \uparrow \\
 & & ||\mathrm{su}| \\
 & & /
\end{array} \\
\vdots \\ \bar{\bar{\bar{\tilde{\tilde{\tilde{Z}}}}}} \\ \uparrow \\ \bar{\tilde{\tilde{\tilde{K}}}} \\ \uparrow \\ \tilde{\tilde{\tilde{G}}} \\ \uparrow \\ \overline{\overline{\overline{\overline{F}}}} \\
\begin{array}{ccc}
/ & & \backslash \\
\left|\left|||d|_Q\right|_R\right.^{-1} & - & \left|\left|||d|_Q\right|_R\right. \\
\uparrow & & \uparrow \\
\underline{\underline{\underline{A}}} & & \bar{\bar{\bar{T}}} \\
\uparrow & & \uparrow \\
\underline{\underline{S}} & & \bar{\bar{Y}} \\
\uparrow & & \uparrow \\
\underline{E} & & \bar{U} \\
 & & \uparrow \\
 & & \leftarrow\ H
\end{array}
\end{array}
$$

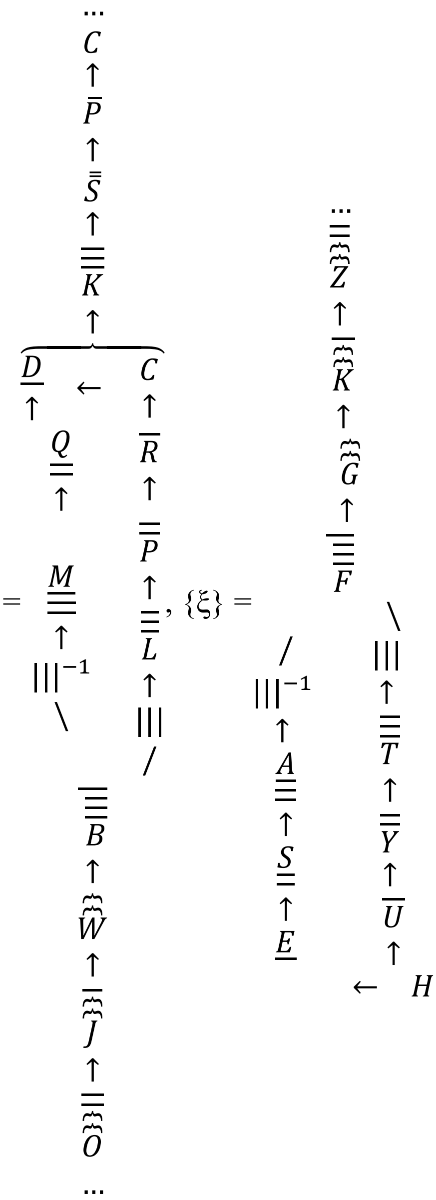
where $\overline{\overline{\overset{\frown\frown}{Z}}}$, $\overline{\overline{\overset{\frown\frown}{O}}}$ - $parelf$ levels of Z and O respectively, $\overline{\overset{\frown\frown}{J}}$, $\overline{\overset{\frown\frown}{K}}$ – singelf levels of J and K respectively, $\overset{\frown\frown}{G}$, $\overset{\frown\frown}{W}$ - paradoxical upper levels of G and W respectively, $\overline{\overline{\overline{F}}}$, $\overline{\overline{\overline{B}}}$ - paradoxical average levels of F and B respectively, $\overline{U}$, $\bar{R}$ - middle$_1$ levels of U and R respectively, $\underline{E}$, $\underline{D}$ - $ordinary\ energies\ exhibited$ by E, D respectively, $\underline{\underline{\underline{Q}}}$, $\underline{\underline{\underline{S}}}$ - first sublevel of Q and S respectively, $\underline{\underline{\underline{\underline{A}}}}$, $\underline{\underline{\underline{\underline{M}}}}$ - second sublevel of A and M respectively etc.

3) Any structural hierarchy, in particular, by 3-structures or N-structures or 3-connections or N-connections or any Q-structures or any Q-connections etc.

Certainly $|||$ is the projection (manifestation) of more complex structures and corresponding to usual parallel hierarchy, for example as NS of human. May consider parallel hierarchy with "holes" (rings or Mobius strips) and use algebraic topology. Also, may consider continual analogues of parallel hierarchy with "holes" (rings or Mobius strips), for example, in the kind of "foam" etc.

1.8 Vprt-hierarchical space

Vprt-hierarchical space consists of Vprt-elements [1. 2].

Definition. $\{\lambda\}\mathrm{Vprt}\{\xi\} = \{\lambda\}^{V}|||\{\xi\}$, $\{\lambda\}$ =  , $\{\xi\}$ = (A.1.1), [5]

where $\overset{\equiv}{\overbrace{\overbrace{\overbrace{Z}}}}$, $\overset{\equiv}{\overbrace{\overbrace{\overbrace{O}}}}$ - $parelf$ levels of Z and O respectively, $\overline{\overbrace{\overbrace{\overbrace{J}}}}$, $\overline{\overbrace{\overbrace{\overbrace{K}}}}$ – singelf levels of J and K respectively, $\overbrace{\overbrace{\overbrace{G}}}$, $\overbrace{\overbrace{\overbrace{W}}}$ - paradoxical upper levels of G and W respectively, $\overset{\equiv}{\overline{F}}$, $\overset{\equiv}{\overline{B}}$ - paradoxical average levels of F and B respectively, $\overline{U}$, $\overline{R}$ - middle₁ levels of U and R respectively, $\underline{E}$, $\underline{D}$ - $ordinary\ energies\ exhibited$ by E, D respectively, $\underset{=}{Q}$, $\underset{=}{S}$ - first sublevel of Q and S respectively, $\underset{\equiv}{A}$, $\underset{\equiv}{M}$ - second sublevel of A and M respectively.

May consider simple variant:

Definition. $\mathrm{Vprt}(\{\psi\}, \{\eta\})(\{A\}) = {}^{V}|||(\{A\})$ =

$$\cdots$$

$$parelf\,A_{12}\left(designation - \overline{\overline{\overbrace{\overbrace{A_{12}}}}} \right)$$

$$singelf\,A_{11}\left(designation - \overline{\overbrace{\overbrace{A_{11}}}} \right)$$

$$subtle\ energy\ of\ object\ \ A_{10}\ \text{paradoxical}\ upper\ level\ (\,pa|||)\left(designation - \overbrace{\overbrace{A_{10}}} \right)$$

$$subtle\ energy\ of\ object\ \ A_{9}\ \text{paradoxical}\ mid-level(paself(A_{9}))\left(designation - \overline{\overline{\overline{\overline{\overbrace{A_{9}}}}}} \right)$$

Vprt

$$subtle\ energy\ of\ object\ \ A_{8}\ \text{paradoxical}\ down-level(pself(A_{8}))\left(designation - \overline{\overline{\overline{\overline{A_{8}}}}} \right)$$

$$/ \qquad\qquad\qquad\qquad \backslash$$

$$subtle\ energy\ of\ |||^{-1} \qquad\qquad subtle\ energy\ of\ |||$$

$$\cdots \qquad\qquad \cdots$$

$$oself^{\frac{3}{2}}(A_{71}) \qquad\qquad self^{\frac{3}{2}}(A_{41})$$

$$\underline{\underline{\underline{A_{7}}}} \qquad\qquad \overline{\overline{\overline{A_{4}}}}$$

$$\left(\underline{\underline{A_{6}}}\right) \qquad\qquad \overline{\overline{A_{3}}}$$

$$\left(\overline{A_{2}}\right)$$

$$ordinary\ energy\ exhibited\ by\ an\ \ object\ \ A\left(designation - \underline{A_{5}} \right) \ \leftarrow\ the\ raw\ energy\ of\ an\ object\ \ A_{1}(designation - A_{1})$$

, { A } = $(A_1, \ldots, A_n)$, n > 12.

^{V}self(A) =

Vprt

$$\cdots$$

$$parelf\,A\left(designation - \overline{\overline{\overbrace{\overbrace{A}}}} \right)$$

$$singelf\,A\left(designation - \overline{\overbrace{\overbrace{A}}} \right)$$

$$subtle\ energy\ of\ object\ \ A\ \text{paradoxical}\ upper\ level\ (\,pa|||)\left(designation - \overbrace{\overbrace{A}} \right)$$

$$subtle\ energy\ of\ object\ \ A\ \text{paradoxical}\ mid-level(paself(A))\left(designation - \overline{\overline{\overline{\overline{\overbrace{A}}}}} \right)$$

$$subtle\ energy\ of\ object\ \ A\ \text{paradoxical}\ down-level(pself(A))\left(designation - \overline{\overline{\overline{\overline{A}}}} \right)$$

$$/ \qquad\qquad\qquad\qquad \backslash$$

$$subtle\ energy\ of\ |||^{-1} \qquad\qquad subtle\ energy\ of\ |||$$

$$\underline{\underline{\underline{A}}} \qquad\qquad \overline{\overline{\overline{A}}}$$

$$\left(\underline{\underline{A}}\right) \qquad\qquad \overline{\overline{A}}$$

$$\left(\overline{A}\right)$$

$$ordinary\ energy\ exhibited\ by\ an\ \ object\ \ A\left(designation - \underline{A} \right) \ \leftarrow\ the\ raw\ energy\ of\ an\ object\ \ A(designation - A)$$

^{V}self(A) =

Vprt

$$\cdots$$

$$parelf A\left(decignation-\overbrace{\overbrace{\overbrace{\overline{\overline{\overline{A}}}}}}\right)$$

$$singelf A\left(decignation-\overbrace{\overbrace{\overline{\overline{A}}}}\right)$$

$$subtle\ energy\ of\ object\ \ A\ \text{paradoxical}\ upper\ level\ (\ pa|||)\left(decignation-\overbrace{\overbrace{\overline{A}}}\right)$$

$$subtle\ energy\ of\ object\ \ A\ \text{paradoxical}\ mid-level(paself(A))\left(decignation-\overbrace{\overline{\overline{\overline{\overline{A}}}}}\right)$$

$$subtle\ energy\ of\ object\ \ A\ \text{paradoxical}\ down-level(pself(A))\left(decignation-\overline{\overline{\overline{\overline{A}}}}\right)$$

$$/ \qquad\qquad\qquad\qquad \backslash$$

$$subtle\ energy\ of\ |||^{-1} \qquad\qquad subtle\ energy\ of\ |||$$

$$\underline{\underline{\underline{A}}} \qquad\qquad \overline{\overline{\overline{A}}}$$

$$\left(\underline{\underline{A}}\right) \qquad\qquad \overline{\overline{A}}$$

$$(\overline{A})$$

$$ordinary\ energy\ exhibited\ by\ an\ \ object\ \ A\left(decignation-\underline{A}\right) \quad \leftarrow \quad the\ raw\ energy\ of\ an\ object\ \ A(decignation-A)$$

One can try to interpret the human cocoon A with the assemblage point potential positions $\{\}_A$ and assemblage point normal position through Vprt-element:

Pprt(normal position) = Vprt

$$\cdots$$

$$parelf\{\}_A\left(decignation-\overbrace{\overbrace{\overbrace{\overline{\overline{\overline{\{\}_A}}}}}}\right)$$

$$singelf\{\}_A\left(decignation-\overbrace{\overbrace{\overline{\overline{\{\}_A}}}}\right)$$

$$subtle\ energy\ of\ object\ \{\}_A\ \text{paradoxical}\ upper\ level\ (\ pa|||)\left(decignation-\overbrace{\overbrace{\overline{\{\}_A}}}\right)$$

$$subtle\ energy\ of\ object\ \ \{\}_A\ \text{paradoxical}\ mid-level(paself(\{\}_A))\left(decignation-\overbrace{\overline{\overline{\overline{\overline{\{\}_A}}}}}\right)$$

$$subtle\ energy\ of\ object\ \{\}_A\ \text{paradoxical}\ down-level(pself(\{\}_A))\left(decignation-\overline{\overline{\overline{\overline{\{\}_A}}}}\right)$$

$$/ \qquad\qquad\qquad\qquad \backslash$$

$$subtle\ energy\ of\ |||^{-1} \qquad\qquad subtle\ energy\ of\ |||$$

$$\underline{\underline{\underline{\{\}_A}}} \qquad\qquad \overline{\overline{\overline{\{\}_A}}}$$

$$\left(\underline{\underline{\{\}_A}}\right) \qquad\qquad \overline{\overline{\{\}_A}}$$

$$(\overline{\{\}_A})$$

$$ordinary\ energy\ exhibited\ by\ an\ \ object\ \ A\left(decignation-\underline{\{\}_A}\right) \quad \leftarrow \quad the\ raw\ energy\ of\ an\ object\ \ A(decignation-A)$$

May consider QV(A) =

$$\overbrace{parelf({}^{V}\text{self(A)})\left(decignation - \overline{\overline{\overline{{}^{V}\text{self(A)}}}}\right)}^{\cdots}$$

$$singelf({}^{V}\text{self(A)})\left(decignation - \overline{\overline{\overline{{}^{V}\text{self(A)}}}}\right)$$

$$subtle\ energy\ of\ object\ \ {}^{V}\text{self(A) paradoxical}\ upper\ level\ (pa|||)\left(decignation - \overline{\overline{{}^{V}\text{self(A)}}}\right)$$

$$subtle\ energy\ of\ object\ \ {}^{V}\text{self(A) paradoxical}\ mid-level(paself({}^{V}\text{self(A)}))\left(decignation - \overline{\overline{\overline{\overline{{}^{V}\text{self(A)}}}}}\right)$$

$$subtle\ energy\ of\ object\ \ {}^{V}\text{self(A) paradoxical}\ down-level(pself(A))\left(decignation - \overline{\overline{\overline{\overline{{}^{V}\text{self(A)}}}}}\right)$$

/ \

$subtle\ energy\ of\ |||^{-1}$ $\quad$ $subtle\ energy\ of\ |||$

$$\frac{{}^{V}\text{self(A)}}{\left(\underline{{}^{V}\text{self(A)}}\right)} \qquad \frac{\overline{\overline{{}^{V}\text{self(A)}}}}{\overline{{}^{V}\text{self(A)}}}\ \left({}^{V}\text{self(A)}\right)$$

$ordinary\ energy\ exhibited\ by\ an\ object\ \ A(decignation - \underline{A})$ $\leftarrow$ $the\ raw\ energy\ of\ an\ object\ \ A(decignation - A)$

May consider Vprt-numbers that can be added and multiplied element by element.

May consider ${}^{V}Q = {}^{V}|||(\{{}^{V}|||(\ldots {}^{V}|||(\{A\})\ldots)\}), {}^{V}Q^{{}^{V}Q^{\cdots {}^{V}Q^{\cdots}}}$, ^{d}Vprt-hierarchical space.

Energies Hierarchy

Energies hierarchy through containment

Definition. Vprt({ψ}, {η}) = ${}^{V}|||(\{A\})$ =

$$\ldots$$

$$parelf\,A_{12}\left(decignation - \overbrace{\overline{\overline{\overline{A_{12}}}}}\right)$$

$$singelf\,A_{11}\left(decignation - \overbrace{\overline{\overline{A_{11}}}}\right)$$

$$subtle\ energy\ of\ object\ \ A_{10}\ \text{paradoxical}\ upper\ level\ (\,pa|||)\left(decignation - \overbrace{\overline{A_{10}}}\right)$$

$$subtle\ energy\ of\ object\ \ A_9\ \text{paradoxical}\ mid-level(paself(A_9))\left(decignation - \overline{\overline{\overline{\overline{A_9}}}}\right)$$

$$subtle\ energy\ of\ object\ \ A_8\ \text{paradoxical}\ down-level(pself(A_8))\left(decignation - \overline{\overline{\overline{A_8}}}\right)$$

$$/ \qquad\qquad\qquad\qquad \backslash$$

$$subtle\ energy\ of\ |||^{-1} \qquad\qquad subtle\ energy\ of\ |||$$

$$\ldots \qquad\qquad \ldots$$

$$oself^{\frac{3}{2}}(A_{71}) \qquad\qquad self^{\frac{3}{2}}(A_{41})$$

$$\underline{\underline{\underline{A_7}}} \qquad\qquad \overline{\overline{\overline{A_4}}}$$

$$\left(\underline{\underline{A_6}}\right) \qquad\qquad \overline{\overline{A_3}}$$

$$\qquad\qquad\qquad\qquad \left(\overline{A_2}\right)$$

$$ordinary\ energy\ exhibited\ by\ an\ \ object\ \ A\left(decignation - \underline{A_5}\right) \leftarrow the\ raw\ energy\ of\ an\ object\ \ A_1(decignation - A_1)$$

, { A } = $(A_1, \ldots, A_n)$, n > 12.

$\mathrm{CCSprt}\begin{matrix} A \\ N \\ A \end{matrix}$ is self-combining operator A N times.

$\mathrm{CCSprt}\begin{matrix} A \\ G \\ A \end{matrix}$ is self- combining operator A over a cyclic set G.

May consider $\mathrm{SCprt}\begin{matrix} f(A) \\ g \\ A \end{matrix}$, $\mathrm{SCprt}\begin{matrix} (A, A, \ldots, A) \\ g \\ A \end{matrix}$, Self(A) = $\sqrt{A}$, $\mathrm{SdSprt}\begin{matrix} A \\ A \\ A \end{matrix}$ = $^{d}self^{3/2}(A)$

etc.

Appendix

The law of self-motion:

Self-motion is rotation.

Mixed cyclic

For example, 1) a_i into a_{i+1}, a_j from a_{j+1},..

2) a_i into a_{i+1}, a_i from a_{i+1},.. simultaneously (p(a)self)

3) self by structure Q

4) by count B.

Mixed hypercyclic

$$\begin{pmatrix} chaos\ set \\ A|||B \\ A \quad B \end{pmatrix}$$

May consider program operator inducing self. All axioms and laws are “holes” for reaching other levels.

May consider Self(ϵ), $(\epsilon)^N$ etc.

NNSelf(A) contains N-fold A (f(A)). SCprt $\begin{matrix} A \\ g \\ f(A) \end{matrix}$.

References

1. Illia Danilishyn and Oleksandr Danilishyn. Fundamentally new approach to elementary particles and elements of mathematical theory of interpretations. Journal of Modern Classical Physics & Quantum Neuroscience 2: 1-41.
2. Illia Danilishyn, Oleksandr Danilishyn (2025) Mathematical fundamentals of constructing pseudoliving energy theory and dynamic programmings: monograph / ed. by Pasynkov V. – Shawnee, USA: Primedia eLaunch LLC. 382 p. ISBN 979-8-89660-275-0.
3. Illia Danilishyn, Oleksandr Danilishyn (2024) Hierarchical dynamic mathematical structures (models) theory: Scientific monograph DOI https://doi.org/10.36074/hdmsmt.monograph-2024 Published 2024-08- 28 Shawnee, USA Primedia eLaunch LLC.
4. Illia Danilishyn, Oleksandr Danilishyn. Introduction to Dynamic Mathematics: dynamic sets, dynamic operators and their applications: monograph / ed. by Pasynkov V. Shawnee, USA: Primedia eLaunch LLC. – 2024. – 442 p. ISBN 979-8-89217-806-8
5. Illia Danilishyn, Oleksandr Danilishyn (2025) Mathematical uncertainties and their applications: monograph / ed. by Pasynkov V. – Shawnee, USA: Primedia eLaunch LLC. – 2025. – 612 p. ISBN 979-8-89660-284-2.
6. I Danilishyn, & O Danilishyn (2025) Elements of dynamic science: monograph. Primedia ELaunch LLC, 573. https://doi.org/10.36074/eods.monograph-2025.
7. Illia Danilishyn and Oleksandr Danilishyn. Mathematical Fundamentals of Interpretations Theory (Types of Future Science) and Fundamentally New Approach to Elementary Particles, Physics, Biology and Dynamic Programming by Pself-type and Paself-type: Scientific monograph 336.
8. Danilishyn I, Danilishyn O PROGRAM OPERATORS SIT, tS, S1e, Set1. Preprint. Research Square. **НАУЧНАЯ СТАТЬЯ** Опубликовано: 2023-08-04 08:00:27 https://www.researchsquare.com/article/rs-3228799/v1.

9. Oleksandr Danilishyn and Illia Danilishyn. Fuzzy Dynamic Fuzzy Sets. Variable Fuzzy Hierarchical Dynamic Fuzzy Structures (Models, Operators) for Dynamic, Singular, Hierarchical Fuzzy Sets. FUZZY PROGRAM OPERATORS ffSprt, fftprS, ffS1epr, ffSeprt1. Journal of Mathematical Techniques Computational Mathematics (JMTCM) 17: 1-37.
10. Oleksandr Danilishyn, Illia Danilishyn. Introduction to Dynamic Sets Theory: Sprt-elements and Their Applications to the Fhysics and Chemistry. JOURNAL OF PHYSICS AND CHEMISTRY 2: 1-31.
11. Oleksandr Danilishyn and Illia Danilishyn (2024) Introduction to Section of Dynamic Mathematics: Dynamic Sets Theory: Parallel Sprt-Elements and Their Applications. J Math Techniques Comput Math (Journal DOI: 10.33140/JMTCM) 3: 1- 27.
12. Oleksandr Danilishyn and Illia Danilishyn (2025) Introduction to Section of Dynamic Mathematics: Dynamic Fuzzy Sets Theory: Parallel Fuzzy Sprt-Elements and Their Applications. J Math Techniques Comput Math (Journal DOI: 10.33140/JMTCM) 3: 1- 27.
13. Oleksandr Danilishyn, Illia Danilishyn and Volodymyr Pasynkov (2025) Introduction to Section of Dynamic Mathematics: SCprt – elements and Their Applications to Physics. Sci. Set. J of Physics 3: 1-23.
14. Oleksandr Danilishyn and Illia Danilishyn (2024) Introduction to Dynamic Operators: Rprt-Elements and Their Applications. Rprt-Networks. Variable Fuzzy Hierarchical Dynamic Fuzzy Structures (Models, Operators) for Dynamic, Singular, Hierarchical Fuzzy Sets. Fuzzy Program Operators fRprt, ftprR, ffR1epr, ffReprt1. J Math Techniques Comput Math (Journal DOI: 10.33140/JMTCM) 3: 1- 26.
15. Illia Danilishyn, Oleksandr Danilishyn and Volodymyr Pasynkov (2025) Some aspects of directly parallel operation of neural networks and their subtle energy Advances in Machine& Artificial. 5: 1-7.
16. Oleksandr Danilishyn, Illia Danilishyn and Volodymyr Pasynkov (2024) Intrtoduction to section of Dynamic mathematics: Theory of singularities of the type synthesizing. J Math Techniques Comput Math (Journal DOI: 10.33140/JMTCM) 3: 1- 18.
17. Oleksandr Danilishyn, Illia Danilishyn and Volodymyr Pasynkov (2025) Introduction to Dynamic Operators: SDS-Elements, Self-type SDS -Structures and their Applications to Physics Sci. Set. J of Physics 3: 1-15.
18. Illia Danilishyn, Oleksandr Danilishyn and Volodymyr Pasynkov (2024) Fundamentally New Approach to Elementary Particles and Elements of Mathematical Theory of Interpretations. Journal of Modern Classical Physics & Quantum Neuroscience 2: 1-41.

19. Illia Danilishyn, Oleksandr Danilishyn (2024) Dynamic Sets Sprt and Some of Their Applications to Biomedical Engineering and Biotechnology. World Congress on Biomedical Engineering and Biotechnology on the theme "Transforming Biomedical Engineering for Global Well-being".
20. Oleksandr Danilishyn, Illia Danilishyn and Volodymyr Pasynkov (2024) Introduction to Dynamic operators: Lprt-elements and Applications to physics and other Their Applications. J Math Techniques Comput Math (Journal DOI: 10.33140/JMTCM) 3: 1-16.
21. Illia Danilishyn, Oleksandr Danilishyn (2025) Introduction to Dynamic Mathematics: Zprt-elements and Their Applications. American Journal of Mathematical and Computer Applications 1: 1-146.
22. Illia Danilishyn, Oleksandr Danilishyn (2025) Introduction to Dynamic Mathematics: Beginnings of mathematical uncertainties theory. J Math Techniques Comput Math (Journal DOI: 10.33140/JMTCM) 5: 1
23. Illia Danilishyn, Oleksandr Danilishyn (2026) Generalizations of Self-Type And ||| -Type Structures, Elements Of S-Morphologyand Others Monograph, USA Primedia launch LLC.