

---

---

## APPLICATION OF THE UNIVERSE THEORY: MODERN GLOBALIZATION IS PROGRESSIVE BUT UNFAIR AND PROBLEM WORLD SYSTEM THE MANIFESTO OF THE NEW WORLD ORDER

Alexander V. Sosnitsky

**Abstract:** For the first time the properties of World human Globalization are deduced in the paper from the most general concepts of our Universe and they are presented in the form of the Universal Model. It is shown in a formal way that modern Globalization is a progressive, but unfair and problematic, world system that naturally leads to local and global cataclysms, which take place in the modern World. The approach is offered to a formal solution of problems of Civilization by means of absolutization of human activity by application of absolutizing methods which can be well created by further development of the Universe Theory. This paper is a formal ground for the World Globalism/Antiglobalism in correlation of the existing Harmony/disHarmony of the modern Humanity and, in fact, offers a new World Order of organization of our Civilizations.

**Keywords:** the World Globalization, the Universe Model, the Absolute Model, the SuperLow of Harmony, the new World Order.

**ACM Classification Keywords:** H.0 Information systems – General

---

### Global Warning

---

World Globalization is the most important harmonizing historical phenomenon that consistently improves Mankind and, therefore, on the whole is approved and supported by it. Today Globalization has reached a planetary scale.

However, it is known in exact Sciences that any basic change (the so-called phase transition) in any system always generates new qualities which are often unforeseen and do not fully correspond to initial expectations because more adequate theories of such transitions are created much later, especially for the systems of unprecedented size and complexity, which is modern Mankind. Therefore, subjective estimate of various kinds of experts are usually applied instead of them.

As a result of that, big public events are often far from being “locomotives of history” according to K. Marx, and more often lead to World shocks and sufferings of the great mass of people, throwing Mankind further back from even the noblest goals.

If the past history still tolerated that somehow, the modern society is becoming increasingly similar to a “crystal castle”, a kind of fine craftsmanship that is poorly protected from any even unconscious damage and exists mainly with good intentions of all its inhabitants. It especially concerns non-material, spiritual and intellectual values that make the basis of civilization and can be easily destroyed by any rough influence with disastrous consequences.

In fact, the history of Mankind is a sequence of 1) local Globalizations in the form of states and 2) continental Globalizations in the form of empires accompanied by continuous military, political, economic, cultural, ideological and other conflicts. Today it finishes 3) with World Globalization and we can only guess where it will actually lead.

The last such conflicts are:

- social disaster of the post-Soviet East European peoples integrated into the World system who are quite reasonably suspicious of further integration offers;
- the EU crisis with threatening default of constantly growing well-known number of its members;
- growing crisis of a leading World superpower, the USA;
- continuous illegal wars of the strong states against the weak ones;
- World terrorism;
- World opposition of states with the threat of mass destruction;
- dangerous spread of obsolete destabilizing ideologies of World leaders and many other things.

As a result of that, together with the general accelerating progress, the World history usually contains temporary falls of its members in the form of cyclic sawtooth processes, during which the intervals of consecutive growth are naturally changed into a sharp decline (slowdown – in the best case) in the level of processes, which generates multiple complex secondary internal uncontrollable conflicts (Fig. 1). It concerns both global system and its each member. At the same time, on the whole Globalization plays a useful role of the stabilizing environment for all the participants, allowing and stimulating restoration of temporary fallen participants per sample of successful members.

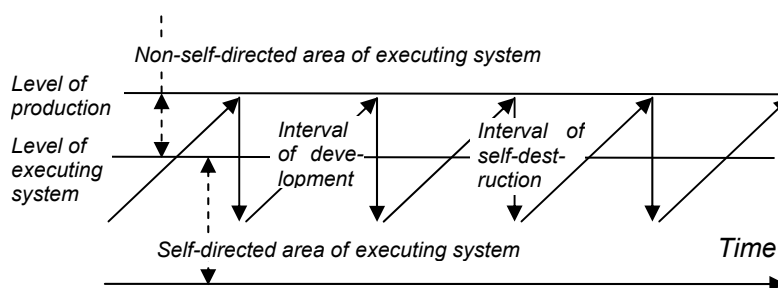


Figure 1. General Scheme of disHarmonization of a Historical Process Participant

Exceeding the level of production activity over the level of the manufacturer (a participant of the global system) is the basic mechanism of fall, which we are going to explain in the following way. Every entity is, in fact, the system of concepts. Manufacturers always have to improve their product, and consequently forcedly develop themselves. But as long as their aim is mainly directed at a product, the system of concepts of the product usually exceeds the system of concepts of the manufacturer, and the difference between them becomes invisible to the executor because of the subsystem of higher stealth concepts (phantom concepts) that turn out to be uncontrollable and destroy the executor, returning it down to the self-directed level, from which the development begins again.

It is under such a scheme of internal dogmatism that the map of the states was redrawn, all the greatest empires up to the USSR have fallen to pieces and the modern empires have been unsteady for the main reason of self-insufficiency. The time has come to admit with all the responsibility that all the past and modern problems are not

just simple side effects of history, accidental coincidence of reparable factors or results of skilful game of certain secret forces, but the display of the latent real unknown powerful uncontrollable laws in force.

Mankind is obliged to cognize its laws and take new global measures similar to the decisions after the Second World War and to establish a new World order corresponding to the global phase of Mankind development. And uncontrollable global "games" inside the "crystal castle" do not bring anything good to all its participants similar to criminal thoughtless experiments with the Chernobyl nuclear reactor.

---

### What to Do?

---

A well-known remark of fairy-tale baron Munchausen goes that the silliest things in the World are done with a serious expression on the face. It clearly defines the insufficient condition of modern political Science. With all due respect, it should be noted that as a result of the unacceptable high price of political imperfection of outstanding historical persons, the modern epoch demands more exact formal global estimates and calculations that are unattainable by a manual political method.

The problem is that modern Science is unable to provide such an accuracy as it is focused on inanimate Nature and, in fact, is not capable of processing infinitely more complex animate Nature, to which Mankind belongs.

However, some essentially new scientific works appeared recently, allowing to estimate and calculate complex World phenomena on the basis of the Universal Theory that claim to be a new scientific standard, and for the first time this Theory allows to investigate many actual problems [Sosnitsky, 2008 - 2011]. In the given paper this Theory is applied to the phenomena of Globalization, and the results are published for the wide range of experts common people.

---

### Initial Concepts

---

Our Universe is a full set of entities that are related, directly or indirectly. It has an initial structure in the form of the observable Real World (RW) that is ruled by the invisible Abstract World (AW) (Fig. 2). The entities of the Real World are phenomena. The entities of the Abstract World are abstracts (concepts, categories) built in the phenomena of the Real World. They are invisible but effective, and they are widely applied in thinking as words, sentences, texts, formulas, laws, models, theories, etc. At first all problems are abstracted, and then they are realized.

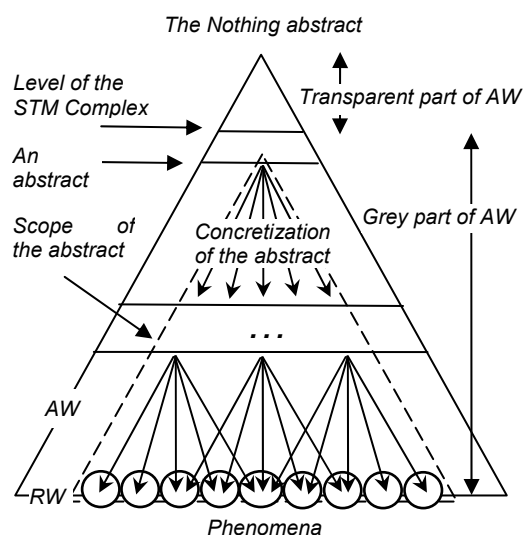


Figure 2. The General Scheme of the Universe

The Abstract World divides into layers (subWorlds) so each subWorld comes from the previous one beginning with the initial Nothing abstract, consideration of which lies beyond the scope of our investigation. At a certain abstract level there arise three common abstracts (Complexes) that are present in each derivative entity (Fig. 3): Space, Time and Matter (together – the STM Complex). Space is a regular constant, Time – a regular variable, and Matter – an irregular part of the Universe. Space and Matter are infinite, and Time is finite having the Beginning and the End and it is divided into the Past, Present and Future. Entities change only in the point of the Present, moving from the Past into the Future.

Entities below the STM Complex have the form of a time process which 1) begins from the definition (initial concept) of an entity, 2) continues with the cone of development, 3) comes to an end with the cone of degradation and 4) disintegrates (the definition is destroyed) with the generation of derivative more harmonious processes (Fig. 3).

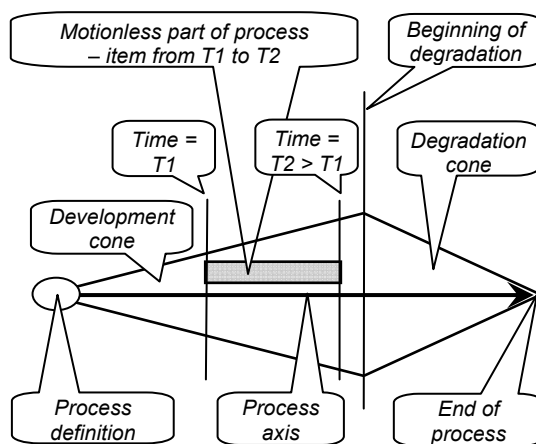


Figure 3. The General Scheme of a Process

### Connectivity of the Universe

All the entities (abstract and real) are directly or indirectly interrelated and come from one another. Each entity has an origin, current condition and continuation. An entity is a certain set of relations that is singled out by a certain relation as a coherent whole. Relation (existence) is a copy of one entity (object) in the other entity (subject). Property (quality) is a structure of relations of entities. In general, entities participate in many incoming and outgoing external relations (Fig. 4). We should note that all the components (including their subjective copies) have their own abstract superstructures.

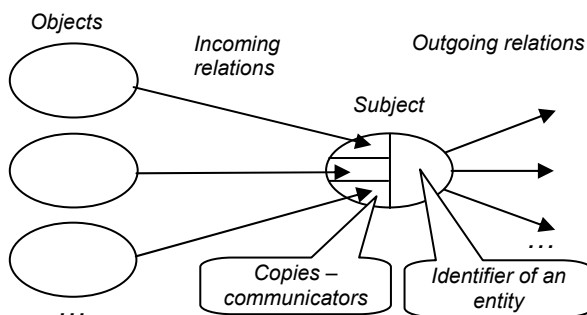


Figure 4. The External Scheme of an Entity

Entities have an internal structure. Below the STM Complex (up to the phenomena) they contain eight classes of components (Fig. 5): 1 – 3) the STM Complex, 4) enclosed entities, 5) internal relations, 6) movement, 7) laws and 8) the purpose.

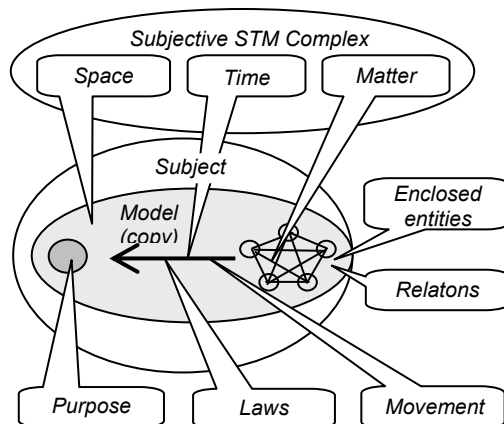


Figure 5. The Internal Scheme of an Entity

### Harmony of the Universe

Harmonicity is an ability of each entity to form and develop every possible relation (copies of other entities) according to the supreme SuperLaw of the Universe: each entity represented by itself desires to reach the condition of maximum Harmony, which is approximately understood as the quantity of constant relations of an entity. This condition is determined by the purpose of an entity, which is (in general case a deformed and inexact) projection of the SuperLaw on the level of an entity through some other indirect entities.

As in general case relations are mobile, Harmony also moves together with them as a certain Universe property having qualitative and quantitative measurements and capable of formalization.

According to the SuperLaw the Universe has a divided Time with an admissible (that is real) movement, and consequently (also real) harmonization only in the point of the Present. However, it is possible to expand harmonization area at the expense of bilateral virtual relations of the Present with the Past and Future under the scheme in Fig. 6.

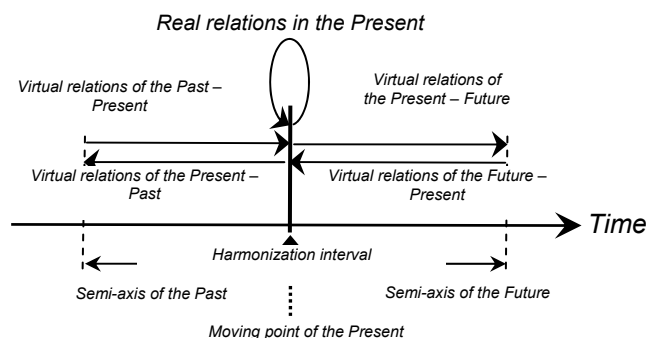


Figure 6. The Scheme of Time Virtualization

Virtual copies are the copies of real relations in the moving Present 1) before their leaving for the Past and 2) while forecasting the Future with 3) the subsequent realization again in the current Present. By means of virtualization it becomes possible to harmonize a greater volume of relations (on an interval of Time instead of one point of the Present), by which the advantage of animate entities over inanimate ones is conditioned.

Depending on the degree of virtualization of the Time axis there appear the following first three classes of entities (five in total) (Fig. 7).

1. Thermodynamic entities. The internal structure does not participate in the movement. The mutual relations of entities are only real in a moving point of the Present.
2. Mechanical entities. The internal structure simply participates in the movement. In addition to item 1, these virtual mutual relations of the Past – Present and the Present – Past are added.
3. Animate entities. The internal structure contains a subjective analogue (copy) of the STM Complex. In addition to item 2, these virtual mutual relations of the Present – Future and the Future – Present are added.

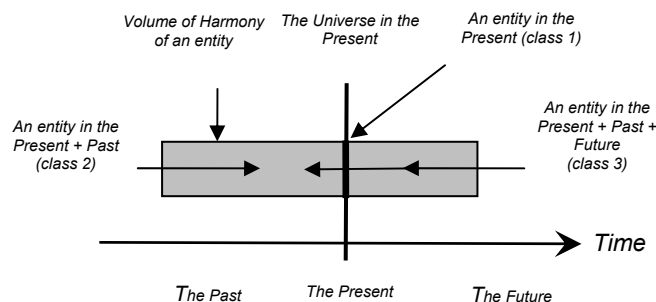


Figure 7. The Scheme of Harmonious Classification of Entities in Time

Animate entities as the most developed in this classification possess a larger volume, quality and accuracy of copying of external entities and, as a consequence, the highest harmonizing ability. The Harmony of inanimate entities (classes 1 – 2) has 1) a limited form of a 2) thermal and 3) mechanical movement, 4) self-destructing such entities and 5) moves from the entities with bigger harmonious potential to the entities with smaller one. The Harmony of class 3 has 6) a full-fledged form 7) developing animate beings. Figuratively speaking, if in primitive entities the harmonious potential moves from more harmonious (warm) to less harmonious (cold) entities, then in the higher entities Harmony it actively moves back to a more harmonious side from less harmonious to more harmonious entities (or rather in the direction of its subjective purpose).

---

### Absoluteness of the Universe

---

The Universe is a certain uniform and unique Absolute (original) generating multiple partial copies in the form of entities and forming all the variety of the Universe (Fig. 8). The closer entities are to the Absolute, the higher its degree of Harmony is, and their existence is greater and vice versa. Thus, the Absolute is the superior truth of all the things.

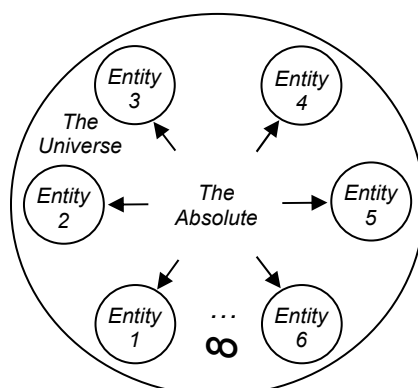


Figure 7. The Scheme of the Absolute

]

The abstracts above the STM Complex are motionless and absolute, but abstracts below up to the phenomena of the Real World are mobile and diverge from the Absolute. The purpose of all the entities is the movement to the Absolute that possesses the greatest Harmony. The always non-negative difference between them (Relative disHarmony) is the source of disHarmony of an entity, and the disHarmony takes multiple forms (Fig. 8):

$$\text{Relative disHarmony (Entity)} = \text{Absolute Harmony (Entity)} - \text{Real Harmony (Entity)} \geq 0$$

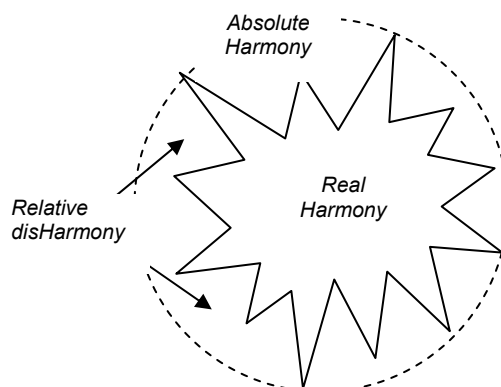


Figure 8. The Scheme of Relative disHarmony of an Entity

Absolute Harmony is a maximum Harmony that always exists for each entity in each situation. Hypothetically it always ensures unproblematic development of any entity. But current Harmony of phenomena is real, non-absolute and it changes in Time. Having achieved in Time the state of absolute Harmony, any disHarmony disappears. And, on the contrary, any incomplete use of Harmony leads to disharmonic phenomena up to the self-destruction of entities.

---

### The Globalization Phenomenon

---

Globalization is a process of joint harmonization of external relations of several entities. Globalization strengthens (both external and internal) the existence of a global entity (system, network, net) that is being formed, which is, according to the SuperLaw, a natural progressive phenomenon (Fig. 9).

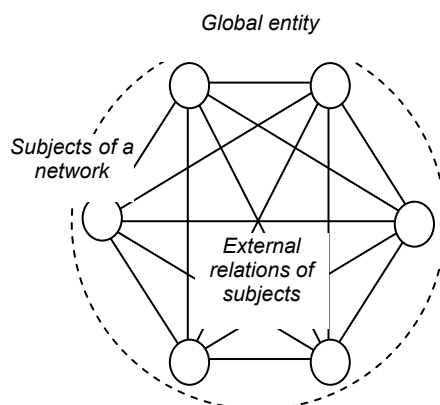


Figure 9. The Scheme of Globalization of Entities

Globalization develops in two directions: 1) the increase in number of network members (dimension increase) and 2) the increase in number of relations among them (increase in network complexity).

The first tendency gets involved in Globalization the largest number of members within the limits of natural obstacles (a family, a team, a state, a continent, a planet, etc.) that consistently reduces the number of alternative members and sterilizes the network developing only the (compatible) properties that are harmonized.

The second tendency increases availability and strengthens sterilization even more through the acceleration of movement of copies (abstract and real), for example, raw materials, goods, money, people, ideas, information, etc.

Harmony moves with copies. In case of inanimate movement Harmony spreads from more organized to less organized entities, and in case of animate – to the opposite direction together with disharmonization of lower entities of the network. Competing counter flows of Harmony arise in this way. Animate Harmony is more active and suppresses inanimate Harmony by the actual replacement of lower entities for higher ones. For example, this is the reason for domination of Mankind on Earth.

It is possible to show that every entity is combinatorially formed from orthogonal (polar) qualities and the loss of each of them owing to sterilization stops further development and blocks the transition from local to global harmonization. It contradicts the SuperLaw and has disastrous consequences for Globalization, which is one of the reasons for destruction of the Universe processes.

Thus, for example, 1) some peoples, that seemed to have "hidden" from shocks of Civilization, have disappeared, 2) the other peoples have unusually blossomed having apparently suffered fatal blows, 3) and the later have gone through the stage of stagnation in the process of exhaustion of their polar variety, and 4) the peoples with a heavy genetic burden of seemingly unnecessary orthodox qualities paid by the additional expenses of Harmony turned out to be viable.

And one more example. Let us assume that someone in a certain network has launched a certain top product. Thanks to Globalization the product quickly spreads over a network and supersedes other products of this kind, which makes their manufacturers bankrupt, though their backlog is temporary and they can make even a better product in the future. The reduction of variety in the network stops mutations and synthesis of new products. The network stagnates and is destroyed by the external competing networks taking its field of action. The quality of a global competition decreases.



### Subject Purpose Classification

But the Universe is thus arranged that giving rise to a problem it always has ways of its solving. The only thing to do is to find and apply them. The highest Methodology of solution is the SuperLaw revealing and activating latent resources of problem harmonization, and then it is naturally solved. Harmonization of purposes of subjects of Globalization defining the properties of a network in general is such an important resource.

The forms of the purpose of subjects are naturally classified (from simple to complex) as follows.

1. Egoism. The purpose of the subject is inside it (harmonization of itself) (Fig. 10). Subjects interact with all the partners, but for their own benefit. Properties of the network: leaders exploit, monopolize and sterilize the network with subsequent stagnation and degradation up to the destruction from the outside.
2. Altruism. The purpose of the subject is outside it (harmonization of other (one, several, all) subjects) (Fig. 11). Properties of the network: altruists harmonize other subjects who they know worse than themselves owing to their divided nature. Direct harmonization is replaced by a less steady indirect collective harmonization. There arises multiple duplication of harmonious functions.

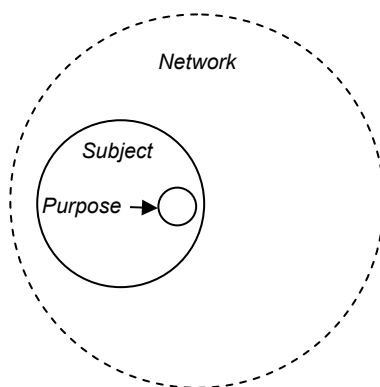


Figure 10. The Scheme of Egoism

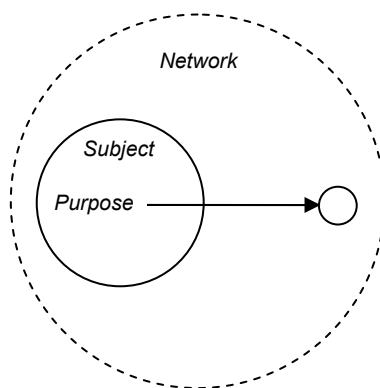


Figure 11. The Scheme of Altruism3.

3. Collectivism. The purpose of the subject is the entire network, including itself (Fig. 12). Properties of the network: joint direct and indirect harmonization of subjects is supported, the degree of harmonization and internal stability of the network increases. Collectivists duplicate functions of harmonization of other subjects.

4. Centralism. The purpose of the subject is the entire network, including itself with the elimination of duplication of functions by the appointment of central subjects (Fig. 13). Properties of the network: compactness, but high requirements of reliability of central subjects.

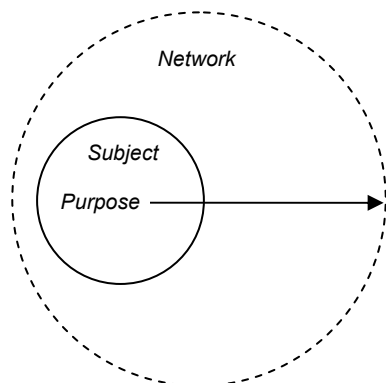


Figure 12. The Scheme of Collectivism

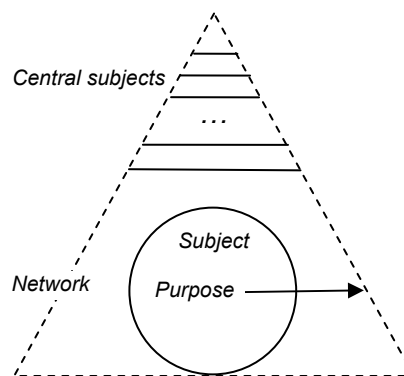


Figure 13. The Scheme of Centralism

Each class has subclasses of gradation of purposes which we are going to consider for the form of Egoism:

1.1. Aggression. The purpose of the subject is directed at degradation of other subjects. Properties of the network: the network self-destructs.

1.2. Exploitation. The purpose of the subject is directed at appropriation of a part of Harmony of other subjects under conditions of limited harmonious resources. Properties of the network: the network stagnates.

1.3. Greed. The purpose of the subject is directed at appropriation of a part of Harmony of other subjects under conditions of unlimited harmonious resources. Properties of the network: the network develops.

Real networks usually have complex combinations of all the polar forms of purposes.

---

## The World Globalization

---

For the first time the universal analysis allows to deduce formally basic properties of the World human Globalization.

World Globalization is the most complicated historical, ethnic and geographical formation coming from many cultural centers, including West European ones and deeper from Scandinavian and Mediterranean roots going through the Roman, Greek, Trojan and Judaic branches to Mesopotamia and the sources of a human Civilization.

Taking the wild origin of Mankind, continuous wars and conflicts in the course of its development up to the present day into consideration, we come to a well-substantiated conclusion on an inborn combination of two competing beginnings in modern Civilization – the Universe Harmony and Humanity Egoism in aggressive forms. If someone does not like any historical sources and facts, it is quite possible to take many others confirming the same.

---

---

The origin from Egoism remains the main problem of modern World Globalization which with all good intentions is objectively estimated as progressive, but it is mainly unfair, thievish, dangerous, totalitarian and problem system, in which some well-known groups of states with different properties of purposes that are developed from the above-mentioned forms. Inside and outside of these groups some harmonious leading states have distinctly singled out, egoistically exploiting and sterilizing other less developed states.

Owing to the SuperLaw operation, the World system is successfully developing and backward states and groups are gradually catching up with the leaders, but it does not guarantee achievement of full parity and happens with considerable misunderstanding, with which not many of the participants agree, which generates various interstate and domestic problems and cataclysms.

Moreover, World injustice is quite consciously and even officially, in fact, fixed in modern political, economic and social culture and is a hidden task of human Globalization. Such a conclusion is reached not for first time under the well-established World system, but it is drawn for the first time by a formal way from the Universe Theory, which is very important.

At the same time, all the participants of World Globalization have their own inherent injustice, and maybe the leaders have it to a lesser degree as they are more harmonized and closer to absoluteness, and backward states have it to a greater degree as they are less harmonized and distant from absoluteness. For example, the latter use mostly free of charge and do not completely compensate leaders for their progressive technological advances, which is disputable to provide, owing to the usual abstract non-material nature of values, which are the most important, invisible, difficult to estimate and obtain and easily copied. In answer the leaders by the right of the strong return their fair (as it seems to them) share (usually larger) in the material form and strengthen Egoism even more.

The number of such problems is infinite, and they are both obvious and latent inside our Civilization changing one another as far as Civilization develops. According to the SuperLaw, all these problems should be gradually solved, but it is difficult and dangerous in our constantly becoming more and more complex "crystal" time with badly predicted risks, hampering Civilization.

It is obvious that the global solving of the problem of World Globalization consists in the creation of specifying techniques of absolutization of development trajectories of all its participants which undoubtedly exist within the framework of the harmonious Theory of the Universe, and realization of these trajectories by means of a specialized World Service, which, in fact, means a new World Order of our Civilization, to which there is no alternative. Such methodologies can be well created by further development of the Universe Theory.

This paper is a formal ground for the World Globalism/Antiglobalism in correlation of the existing Harmony/disHarmony of modern Humanity.

---

## Conclusion

1. For the first time the properties of World human Globalization are deduced in the paper from the most general concepts of our Universe and they are presented in the form of the Universal Model.
2. It is shown in a formal way that modern Globalization is a progressive, but unfair and problematic, World system that naturally leads to local and global cataclysms, which take place in the modern World.

3. The approach is offered to a formal solution of problems of Civilization by means of absolutization of human activity by application of absolutizings methods which can be well created by further development of the Universe Theory.
4. This paper is a formal ground for the World Globalism/Antiglobalism in correlation of the existing Harmony/disHarmony of the modern Humanity. In fact, it offers a new World Order of organization of our Civilizations.

---

## Bibliography

---

- [Sosnitsky, 2008] A.V. Sosnitsky. The Conception of Abstract Programming. Sino-European Engineering Research Forum, Glasgow, UK, Volume 1, 2008, pp. 34-40.
- [Sosnitsky, 2009] A.V. Sosnitsky. Harmonious Foundations of Intelligence. Communications of SIWN, Volume 7, May 2009, pp. 66-72.
- [Sosnitsky, 2011] A.V. Sosnitsky. Artificial Intelligence and Unresolved Scientific Problems. International Journal "Information Theories and Applications", Vol. 18, Number 1, 2011, pp. 82-92.
- [Sosnitsky, 2011] A.V. Sosnitsky. Artificial Intelligence and Radical Reform of Modern Science. International Journal "Artificial Intelligence", Number 1, 2011, pp. 91-105 (rus).
- [Sosnitsky, 2011] A.V. Sosnitsky. Artificial Intelligence and Universal Harmonic Methodology of Cognition. International Journal "Artificial Intelligence", Number 2, 2011, pp. 70 - 83 (rus).

---

## Authors' Information

---



**Alexander V. Sosnitsky** – docent, Institute of Educational Engineering-pedagogical Technologies, University of Berdyansk, Berdyansk-71112, Ukraine; e-mail: [sosnitsky.ukr@yandex.ua](mailto:sosnitsky.ukr@yandex.ua), phone +380665093093

*Major Fields of Scientific Research: Absolute Theories of the Universe, Reform of Science, Scientific Methodologies and Education, Artificial Intelligence*