Postmodernism and Constructionism. Seeing Truth through Different Eyes

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Abstract

Constructionist-fractal method is essentially a semiotic-hermeneutics method. It aims the transmodern paradigm analysis under three classical aspects: syntactic, semantic and pragmatic. The model’s syntax is the law-ontognooseology axioms that will be repeated in other areas of the transmodern speech. Semantics consists of transmodern upgrading of philosophy and scientific data. In the semantic analysis we find a structural model, of cognitive reconstruction of the world, based on the idea of fractal holism called quantum metaphysics. Constructionist-fractal analysis method consists in identifying a paradigm agreement to semiotic scales and thereby identifying cultural axioms, epistemic, or social and successive restructuring of cultural or social acts consistent with the paradigm model proposed.

Keywords
Social constructionism, epistemology, transmodern paradigm, transdisciplinarity

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The "linguistic turn" of the twentieth century has as its starting point the concept of "structure". The postmodernism is based on the deconstruction of structures of representation, having as main argument the idea of language game, as a "grammar" of understanding reality. Postmodernity also put emphasis on the power of words to establish world. Florea Lucaci observes the "reduction to language" (2005:104), which is specific to late modernity and postmodernity. Eliminating the "absolute" (in this case the word as logos), postmodernity operates with the possible, and in a natural way with the plural, whereas Witgenstein says, "the sentence is a model of reality as we imagine it" (1991: 401).

The removing of transcendent in postmodernity gives rise to a new humanism "beyond the person" is void, nothingness. The existentialist humanism still kept the "the human being" as a metaphoric referential, which contrasts with the "nothing" (Sartre, 2004). Postmodern humanism remains focused - on one hand - on the issue of freedom, taken from Sartre, but break it appart from any other form of transcendence, from any possibility of ontological focus. On the other hand, the postmodern humanism is centered on the distinction. Postmodernity is a "civilization of minorities, having as main model the sexual minorities (Codreanu, 2005:67).

As a cultural paradigm, characteristic of postmodernism is deconstruction. The fact that this "concept" allows a hermeneutic drift, spin and without poles, shows the difficulty of understanding a way of thinking, of supreme tolerance, which accepts any text. Man is subject to its own language, understanding that, involuntarily, accepting the language involves not trying to justify it in any way. None interpretation of deconstruction, come from Derrida’s manner, in the sense of the universality of language, is not possible because any interpretation is a game of deconstruction, showing that deconstruction makes clear (Silion, 2002:2).

Deconstruction is a limiting passing of philosophy from the domain of real ontology towards the semiotic of "Human Being". The words make the sense that we want to give unto them, and the metaphysics become a grammar of the human being. The meanings are not themselves derived from the properties of objects, but attributed through the communication game, after sets of rules imposed random by the needs of discourse. There is a significant and fundamental difference

between reality and our perception of reality. The individual does not respond in accordance with reality but with its picture of reality. "Our personal map of reality may differ fundamentally, both from reality and from the maps of the others, as well" (Sandu, 2005:74). The map is the paradigmatic model in which the individual structures his knowledge as a cognitive, interpretative model, based on several approximations and reduction of unknown to cognitive and adequate sizes to the specific model of the paradigm.

Constructionist epistemology takes into account the development of scientific, social and cultural paradigms, as a "negotiation" of interpretations offered by data provided from empirical reality or in other areas such as theoretical knowledge, models, etc. Any type of speech is interpreted as a "social reconstruction of reality" starting from a cultural consensus. For example, science paradigms are culturally interpreted and generate a series of models, named by Thomas Germine (1955) quantum metaphysics. Meaning of concepts, as they are taken from scientific language in cultural discourse, is a paradigmatic model, relatively independent from the scientific model of origin. Cultural derive of meaning of concepts underlies the semantic convergence of any socio-cultural paradigm. At the level of mentality occurs the deepest restructuring through the transition from understanding an objective, single and knowable world to a model of a plurality of worlds, whose indetermination is predicted theoretically. The constructionism is a paradigm that is based on "interpretive axiom" according to which the map through which the reality is read is not anything but a continuous negotiation of interpretation. Complementary to postmodern deconstruction, the constructionism kept its antirealist nature, centering on the multiplicity of experiences and interpretations in a plural world or even a plurality of worlds, and also the correlation with the meaning of words and interpretive will. It emerges through social or cultural mediation of interpretation. There is no single sense that corresponds to a single truth but a multiplicity of senses, reflection of the entire in various levels of fractal existence.

The new epistemology can not be of quantitative and positivist type, but rather holistic and qualitative- that has the assumption that the research should include the researcher’s system and its correlation with the researched object. It slipped from a hard core of the concept of
reality as objectivity to a plurality of possible realities that is ordered through the action of the researcher in a series of single-impact results. Rebuilding the world is a permanent negotiating panel models, in conjunction with new research data. Feynman believes that theoretical models must be constructed so that the calculated consequences can be compared with the experiment (2006:144). This new epistemology gives up the claim to explain the causal reality for a better understanding of it, especially the accordance of consequences with the results of experiments.

Epistemology has become a particular type of discursive pragmatics that is a coherent system of rules of meaning capable of producing "a construct called truth." Besides the scientific and epistemic discourse, other types of speech actually build their own constructs of truth. We have a truth of theological, political, etc. nature (Gergen, 2005). The language convention proposed in scientific discourse on truth, is socially privileged in society. Other types of discursive conventions had its monopoly period over "the construct of truth." The concept of truth is changing within the constructionist epistemology. As Ştefan Cojocaru stated, constructionism abandons the idea that the individual mind is the mirror of reality. Constructionism is based on relationships and supports the role of the individual in the construction of material reality (2005:25). Concepts such as the plausibility become more appropriate to describe the nature of new laws formulated within science that departs more and more of what may be actually experienced or observed directly.

Cosima Rughiniş analyzes the influence of symbols labeled socially on preferences, considered naturally in a culture or another. The author shows that the aversion to the use of insect (as food) in Western cultures wastes the nutritional potential of insects by destroying them, to make room for crops whose nutritional value is lower but are socially accepted (2007:18). This example contradicts the Weber’s theory of rationality of human actions, emphasizing the need to considering such cases subjective beliefs, habits, feelings in behavior analysis. Another example provided by the author is the use of condom as a contraceptive. Considered unacceptable in view of the Catholic Church, the condom use is not widely exposed in prevention programs of HIV, although its use would reduce the risk of infection by 90%, believes OMSC
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(2007:20). The social influence of the church is felt in official public policy even if there is stated the separation of church and state.

**Constructionism and Postmodernism**

Constructionism is seen as part of the postmodern paradigm because of models relativization and reporting reality to negotiation interpreting. Constructionist epistemology is through its structure close to postmodernism, to Lyotard’s vision according to which our picture of reality is a narration, a consensus of speech - considers Hacking (1999:196). The scientific discourse is a particular form of speech and can be analyzed in a constructionist manner as textual analysis.

Constructionism can be used methodological, based on the importance of the epistemic subject in the social construction of truth. The concept of truth has therefore significance in relation to a socially accepted fact or experience. Social constructionism can be applied to a series of theories that have as a starting point Gergen's work, of which the following articles can be considered definitive: The movement of social constructionism in modern psychology (1985), Towards a generative theory (1987), Affect and Organization in Postmodern Society (1990), An invitation to Social Constructionism (1999), Organization Science A Social Construct (1999), Postmodern Potentials (2000).

Constructionism is concerned mainly with explaining the processes by which people come to describe, explain and take note of the world they live in and it includes them (Gergen: 2005). Campbell, Coldicott and Kinsella (1994) believe that the constructionist view proposes a model through which reality is created in the process of communication and with language tools, each individual influencing and shaping the responses of others. Constructionist emphasis is on the network of interactions between individuals in the communication process (1994:18). As a postmodern orientation, constructionism deconstructs the ontic in terms of independent existence, moving reality at the level of language experience. Significance and meaning of words are not given on a correspondence theory of truth but especially of a theory of social negotiation of the meaning and indirect of substitution concept of truth with the concept of adequacy and verisimilitude. Continuing the Campbell’s idea, Van Nistel Roof considers that the
illusion of ontological rupture between subject and object should be eliminated and replaced by a construct of intersubjective reality (1999 cf Haar, 2002). Analyzing Van Nistel Roof, Van der Haar considers the fundamental concern on constructionism as a sensification process - meaning creation- by which individuals give a meaning to the subjective experience on reality. Individuals are thus capable to produce different realities - parallels (2002:16).

Schawandt sharpens, starting from Gergen's theory, the social impact of language conventions on sensification process (1998:240). Van der Haar commenting the philosophical significance of constructionism indicates the adherence of this trend to an alternative epistemology because knowledge and reality analysis can only be the contingent of human relations being the result of continuous practice of reification, sedimentation and habitualization. The constructionist perspective can not admit knowledge itself, free of any axiological foundation nor can conceptualize a disjunctivity between subjective and objective which involves a clear distinction between knowledge and reality (2002:18).

The sociology of science can be viewed, after Van der Haar, from constructionism’s general perspective. Knowing the world is essentially a human creation and not a mirror of an independent reality (2002:18). The central premises of constructionism proposed by Van der Haar, from contributions of Burr, Gergen and Bouwen, are:

- Social constructionism assumes that the world cannot be known as it is but rather as a series of multiple socially constructed realities;
- Social constructionism sees language, communication and speech as having the central role of the interactive process by which we understand the world and ourselves;
- Social constructionism sees language and communication as a process of coordination of actors;
- Social constructionism deals with relational process through which social actors construct social realities;
- Social constructionism requires an exclusive distinction between subject and object; it is not a happy or necessary construction and therefore proposes the overcome of the restrictive dualism that sees the two as existing independently of each other;
Social constructionism adepts consider important the reflection on the social, cultural and historical fund of our assumptions and constructs and maintain of our openness to other possible realities constructed (2002: 22).

A physical interpretation can be formulated on any state of existence but its understanding depends on social negotiation. Nini Praetorius considers that before you can actually understand in terms of quantum physics even the mere phenomenon of pain, there must be the primary concept of pain, which is itself a social construct that ensures that a set of unpleasant sensations experienced by many people is the phenomenon of pain (2003). The mechanism of producing pain can be physically explained, but not the state of pain which is an individual experience certified by social experience. Andrew Pickering, author of the volume: *Constructing Quarks: A Sociological History of Particle Physics*, introduces the constructionist method in the philosophy of science. The author used this method in correlation with an analysis of the development of science from classical physics to new physics (1999:60-85). Analysis of physical theories is made from the perspective of their significance for the development of science. Constructionism is seen as part of the postmodern paradigm because of models relativization and reporting "reality" to negotiate interpretation. Seale believes constructionism as coming from berklevan idealism (1999:24). As we stated above, constructionism epistemology is by its structure close to postmodernism, to Lyotard’s vision that our picture of reality is a "narration", a consensus of discourse - considers Hacking (1999:196). Scientific discourse is a particular form of speech and can be analyzed in a constructionist manner as textual analysis. The constructionist model is seen by Jean Francois Lyotard as a deconstruction of the concept of reality to the social construction of "narrative" level, a discursive practice generating consensus.

Paul Gross and Norman Levitt (Gross, Levitt, 1988) argues that science is a highly developed set within a particular culture and particular historical circumstances of a measurable body of knowledge in terms of real world. It is a speech for specialized interpretive communities created within a complex network of social circumstances, political, economical priorities and ideological climate, all together forming irreversible a scientists environment. Science can be understood as a discursive
community among other existing or that existed contemporaneously in history. Therefore the author believes that scientific truth is self-referential and is supported by appealing to scientific standards that define the scientific community and are defined by this distinguishing it from other social backgrounds.

Constructionist Semiotics falls usually in the general trend of postmodernism promoting interdisciplinary knowledge. We prefer to place constructionism at the level of an area of intersection between postmodernism and transmodernism precisely because aspects of network analysis made possible by constructionism. Affirmative orientation specific to transmodernism can be exemplified in a particular area of constructionism: appreciative model.

The social development, being essentially an integrative process, is prone to transdisciplinarity, and that's why I chose this dimension of social practice to illustrate the interpretative devise of some social techniques caused by changes in a paradigm offered by the shift from transmodern epistemology centered on interconnection.

**Characteristics of constructionist epistemology**

As an epistemic method, constructionism is drafted by Burr through the following fundamental assertions:

- *The anti-essentialist nature of constructionism and critical understanding of access to knowledge* (Burr 1995: 9). This view precludes understanding the nature of knowledge as equivalent to the existence of the type: what exists is what we can grasp, in one form or another, its existence. Our knowledge is rather dependent on the construction we rely on, in interpreting the real construction developed in daily interactions between individuals (Burr 1995:4).

- *Antirealism*. The version of reality in which we live is socially and culturally constructed through interaction, and it can not be an objective fact but rather an assumption of a significant model (Burr 1995:6).

- *Historical and cultural relativism of knowledge and of the concept of truth* (Burr, 1995:9). All forms of knowledge, both scientific and common, has intrinsic historical and cultural specificity.
Truth itself varies historically and culturally as a concept based on social interaction processes by which people are related. Thus transdisciplinarity and interdisciplinarity is possible because globalization is a construct of contemporary culture.

Language is a form of action by which the world receives constructs (1995:6). The way we understand the world come not from the objective reality but from other people of past and present (Burr 1995:9). Language is not simply a way of expression but through communication the world receives constructs and thus reality for us. Thereby language is a form of action. At epistemological level we can say that scientific truth is the vision of the universe that satisfies both the scientific community and the laws of their own paradigms.

The constructionism itself has an anti-naturalist vision starting from the following perspectives: the theories do not describe reality itself but a rebuilt in consciousness, going to the point where it introduces in the theory entities whose existence there are no experimental evidence or observation, but make theory coherent, consistent and with measurable results. We can consider the measurement of results a consequence of the theory and the way of choosing the type of experience or observation to be made and an inherent pre-quantification of results that is expected to be obtained. Thereby, the scientific theories, especially the contemporary ones, are themselves social constructs in a special form of social interaction called scientific research, and in a given social cultural and historical context called contemporary science and the scientific community.

Gergen moves the interpretive focus from reality to reality context and social network which generates for the individual the experience of reality. Gergen makes a remark towards the Cartesian vision, paraphrasing Descartes: "I am connected therefore I exist" (Gergen, C. 1973). By the paradigm change proposed by Gergen, epistemology becomes dependent to semiology, as "reality" itself is a sign constructed in a social convention.
The transdisciplinary paradigm. A need synthesis

The impact of holistic model generates a paradigmatic shift in the entire contemporary culture. We are today in full transmodern paradigm, based on transdisciplinarity and interdisciplinarity. It extends itself in the sphere of art, in ethics and pragmatics, psychology, sociology, and also in the biggest social-political constructions of globalization and globalism, of global communication, sympathy for tolerance and multiculturalism, asserting the identity of minorities, environmental paradigm and philosophy of criminal justice restitution.

We believe this new humanist vision has as fundament the anthropocentricism, and as epistemic foundation the fractal constructionism. This epistemic humanist constructionist model starts from the centering of the connoisseur subject, as symbolic catalyst for the reconstruction of reality. We stand on the position of a "spiritualist antropism", according to what the Universe as Spirit knows oneself as a fundamental unit of reality in any iteration of fractal (part of the fractal). The Universe needs the human being for knowing itself, because we identify lucidity as a cosmological motivation. The rules of the game are the laws of the world, and players are aware subjects (individuals) that are part of the Universe. The creator projects himself in a holographic way in every human being, which creates after his image and likeness. We understand the ontological chasm between God-man as an intensive-extension difference, in Bohm's terms, the totality of wrapped existence versus explicit way of life in human beings (Bohm, 1995). Christ is the ultimate explanation of Divinity in human beings. Through his volume "Transdisciplinarity" (1999), Basarab Nicolescu paves the way for a cultural construction, based on cooperation in knowledge, on the overcoming of borders between branches of science (2007:48-58). The epistemic premise of transdisciplinarity is the existence of a fundamental unit of the world, the theme of unity of knowledge. In this respect, Rodica Rosca believes that "parallel to the processes of differentiation appears new forms of integration; the research models are an approach to cross borders of other sciences" (2007:5). In turn, Huessy considers - in terms of vocation ethos - transmodernism as the desire to transcend the limits imposed by neomodernism and postmodernism, claiming esoteric traditions, both European and Oriental (see Codreanu, 2005:179).
Basarab Nicolescu - in a recent edition of the mentioned work (2007:58-600) - suggests a multidimensional reality structured on multiple levels. In an attempt to reunify the multidimensional reality, the author asks himself about the theories capable of describing the transition from one level to another, and the role of observer in the existence of one unit on all levels of reality. Nicolescu propose - starting from Stefan Lupaşcu's model - a logic of included third, able to describe the coherence between levels of reality. According to this logic of third included, two contradictories became complementary on another level of reality, in a unified state T. This state T. participates in its own level of reality to another pair of contradictories resolved on the next level of reality (2007:61-64). The reality levels are consistent allowing transfer of information from one level to another. The level of reality's consistency stops in extreme levels.Uniting the world is done by a "non-resistance zone." The areas of transparency in knowledge appear as being "cloaked" because - according to D'Espana - knowledge has the shape of a reflection that is not permitted in the areas of transparency (see Nicolescu, 2007:64-65). Nicolescu identify the "non-resistance area" to knowledge as sacred. Sacred is therefore not a level of reality in itself, but the transparency that occurs between levels of reality.

The inseparability model generates in social science different theories such as feminism, appreciative perspective, neuro-linguistic programming. The principles of appreciative inquiry in sociology (Cojocaru, 2005:48-50) are related to the idea of inseparability of researcher and the social environment. Social organizations are the results of interactions between mental models of individuals who compose it. The objectivity of an organization is given by the correlation of subjective realities. Research of an organization and its change are simultaneous. Social Reality (organization) - as Elliot believes - can be viewed as a text that can be "permanent" interpreted (cf Cojocaru, 2005:49).

At the level of social reality the map (image of social reality) precedes the territory (reality itself). "If people define situations as real then this situation is true by the consequences of defining them as real" (Wachowski Cojocaru cf. Thomas, 2006:49). The consequences of the scientific theories, propose experiments to be performed to justify it. These experiments fractured the reality to match the theoretical model.
The researcher's map, the scientific theory precedes the territory (experiment). Quantum physics has shown that the nature itself responds the researcher through the nature of the experiment. The theory builds the reality model. Basarab Nicolescu does the distinction between real and reality, "the real signifies what it is, while the reality is linked to human experience" (2005:144).

Reality is designed to have levels. A level of reality incorporates all of the systems, which are invariant under the action of general laws" (2006:51). Is there designed a reality on the quantum level, the level of human and cosmic. Each level of reality corresponds a logic of its own. The existence of levels of reality makes it necessary to introduce the concept of complexity. Complexity can be understood in the sense proposed by Dent, as a description of the transition from one level of reality to another (1999:5). Basarab Nicolescu examines the dependence of complexity of the nature of space time. Space time with 4 specific dimensions of our reality, has its own level of complexity, different from that of a multidimensional world, existing at the quantum level or macrocosm. At each level of reality in part is build a complexity, which is structured by their "level of integration." Several levels of integration may belong to a single level of reality (2007:140-142). The idea of levels of reality is not new in philosophy, it beeing found for example in cosmology Jacob Boheme (cf Celmare, 2006:50). Husserl proposes the existence of levels based on "different levels of perception of reality to the subject observer" (Celmare, 2006:53). Esfeld proposes the term of "structural realism" for holistic analysis of the reality, perceived as hierarchy of systems (2004:601-617).

Basarab Nicolescu proposes a multidimensional model of reality, having an open structure based on multiple levels. Nicolescu considers the structure levels of reality as being godelian, resulting that is impossible to construct a complete theory for describing the transition from one level to another, and thus to describe their unit. In the circumstances, where there is the links’ unity of levels of reality, will necessarily be a true open" (2007:145). Levels of reality correspond to regional ontologies. It is not enough to put the question on what is, will have to address the additional question at what level is? Ontological levels are not a fracture of Being itself, but a way of saying that Being is different, depending on the subject expert. Being and man are
inseparable once again. The fractalic ontological model, proposing a hierarchical reality, can be understood, in our opinion, from the perspective of an epistemology that takes into account the fractal of world and the importance of re-signify of reality.

The object of transdisciplinary research consists precisely of "all levels of reality and its complementary zone of non-resistance" (2007:65). For Nicolescu, "the reality is not only multidimensional but also, multireferential, complex plurality and open unity, being two aspects of a single reality". Through this is based the "Principle of Relativity" of the levels of Reality: "none level of reality is not a privileged place from where you can understand all other levels of reality" (2007 2:65).

In the "Manifest of Transdisciplinarity", the author proposes the unification of object and subject of the transdisciplinary through the unification of the areas of non-resistance. Thus study of the Universe and the study of human being research are mutually reinforcing, interpreting the area of non-resistance as a "third secret project", which unites the transdisciplinary subject with the transdisciplinary objects (2007 2:60-67). Starting from the Transdisciplinarity principles, Basarab Nicolescu proposes a new synthesis of humanism as transhumanism. The systemic opening proposed by transdisciplinary starts with the idea integral development of the human being, both in a personal way, social, cultural and spiritual. The transhumanism does not entail homogenisation of cultural identity, but rather updating destructive creative potentials under the auspices of unity in diversity and diversity in unity. New (Trans) humanism is centered around the high human dignity - at least according to Nicolescu - at planetary and cosmic level.

Radical deconstruction has as a necessary step the synthesis. The birth of transmodernism is a new semiotics revolution, which - by analogy with the "linguistic turn" - was recently named and defined in the semiotics terms of Traian D. Stânciulescu as "transmodern turn" (2008). While the linguistic turn was focused on "language games" as a way of deconstruction-construction of reality, the "transmoder turn" focuses on "ontological game" generated by the transparency to knowledge, as described by Basarab Nicolescu (2007: 64 - 65).
Constructionist-fractal axioms in transmodern analysis

The axioms identified by us in transmodern research are the following:

(1) **Ontological assumption.** The opening of consciousness towards otherness may be the premise of a new ontology. We relate the openness towards otherness with the wakening of mystical tradition. The way of relating to Supreme Otherness generates in a fractal-type design an entire cultural paradigm. Ontological apofatism and the ontological gap between man and god has created an ethos ban, an epistemology centered on objectivity and even full fragmentation after split model into known and unknown object and a pragmatic teleological action (the action for a purpose, a thing). Removing reference to the sacred within this paradigm will result a positivist epistemology and a positive development of knowledge, an individualistic pragmatic, and hedonistic punitive ethos. On the contrary, a fractal constructionist reporting on supreme otherness will generate in axiological plan the value of unit identification, an affirmative ethos and a self-assertion pragmatic. In epistemic plan, subject centrality will work under inseparable systemic form. In praxeological plan there will be generated a trend towards communication as mutual sharing, the trend towards unique models. We understand by ontological reporting of constructionist fractal type as an assumption that individual subjects are specific projections to their own fractal level, to the Supreme archetype. Under this model, the universe is a fractal hierarchy of supreme archetype representation at different levels of existence.

If between man and God is a hierarchical-structural continuity based on ontological con-substantiality, knowledge will be of mystical type as an essential union. Reporting to the transcendent involves a hiatus of being, and thus knowledge would be rational, discursive and fragmentary. According to transdisciplinary paradigm proposed by Nicolescu, the transcendent, sacred, appears just at the hiatus between levels of existence. Being perfectly transparent to knowledge these areas of hiatus are non-discursive (2007:65-67). Transdisciplinary knowledge aims a multidimensional approach on unity of the world as a constructionism (negotiation of interpretations). Not the world itself is a construct, but the image (map) is such a construct. Semiology ontological
or epistemic models are just such multi-dimensional mapping of a multidimensional reality.

(2) **Gnosiological assumption.** New paradigm of Physics, involves mutations within the meaning of the term reality, objectivity, materiality, legitimate. These changes concern in particular the transition towards a holistic epistemology, which takes into account the significance of the connoisseurs’ subject in the knowledge act. Epistemological perspective is centered around a universal Anthropic Principle, the source of a new humanism. Being a knowledgeable subject-centered epistemology, it will be admitted as "reality" only those things which belong to the subject's causal continuum. The subject, as part of the system, will always be "out" that can not speak with sense.

(3) **Semiotic assumption.** Having meaning only in relation to the subject knower, reality's construct (its map) is "a sign" for a deeper reality, through which totality is asserting to the subject knower. Reality is a sign of existence. Objects are not entities in themselves, but signs of deep existence, shaped like a boot strap sequence of events, resulting in a vital whole, as a fractal pattern in the form of holographic resonance.

**Conclusions**

Once we identify the fractal axioms, we will find the law generation of it in one in multiplicity form. Multidimensionality of the world is the space that generates fractals. In transmodern paradigm, constructionism can be methodological used, starting from the importance of epistemic subject in the social construction of truth. Therefore the concept of truth is in relation to a socially accepted fact or experience. Fractal analysis as we discussed, seeks to identify an epistemic or critical pattern and processing it on various levels of existence.

Fractal thinking may be under the axiomatic form: There is an "x" that appears in conjunction with "y" in many known situations. In a given case "z" we grasp the emergence of "x" and say with a high degree of probability the existence of "y" and hence there is a law to bind "x" by "y". Fractal thinking is actually what makes science possible in constructionist meaning explained earlier in this chapter. Fractal model (Gavriliuta, 2005) appears to be a constant of our thinking, of problem solving ability, to extract the known from the unknown.
We can criticize, in phenomenological sense, to this model that assumes the absolute existence of 'x'. In fact we can extend the model into a multidimensional fractal universe. There is 'x' in correlation + or - y and there is always at least a world in which we have + y, one in which we have -y and one in which we 0y. Dimensional worlds are fractal structures where each unit, event, object corresponds to a type like: + object + event, + object – event, - object + event - object - event.

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