

World View, Attitude and Logic of Life to Survive in the Universe

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1. Preface

I discuss **intellectual life** in the universe. It is the life we can communicate consciously and have the world view, the sense of value, the attitude of a sense of object and logic in the universe.

A **world view** is a common notion of intellectual life on facts and values of the past, the present and the future. The world view affects the sense of value, attitude, logic and action of intellectual life. [FIT2016]

A **sense of object** is an attitude to operate objects as objects. I define the value of this as liberty which enhance ability of its own life to change object. [FIT2013]

Summary of already written contents in the past studies and quoted one are both shown by blue letters. *Green letters show examples.*

2. Logic of Intellectual Life

I think a desirable requirement of intellectual life to survive is to able to use RET and CU (in 2.2) as logic.

2.1 Radical Enumerative Thinking; RET [FIT2012, 13, 15, 16] [TS2012] [THPJ2012, 15/1, 2]

I have been trying to build logic of thoughts; **Radical Enumerative Thinking**, by basic concepts. The basic concepts are **object, granularity and enumeration**.

Granularity is a range or scope in time, space and attributes of object. *e.g.: a sense of value of human now* [FIT2005/2] [TS2012] **Object** is information cut from facts by perception and recognition at a granularity. Object consists of being which is matter and idea and its relation. Complex of objects are object. **To enumerate** is to numerate up to a whole without leakage. Enumeration is physical *e.g.: seven colours of rainbow in Japan* or logical *e.g. kind, a series of values: continuation of species- life- "liberty and love"*. [TS2012] [FIT2014] **Logic** is relation between objects. [FIT2004, 05/1, 2] [TS2005, 08, 12] Without enumerated granularity we might miss the right logic.

RET is logic to continue to think and review granularity and enumeration of object radically to grasp the essence from complex and changing facts. [TS2012] [THPJ2015/1] [IPSJ2017] It is the base of thought, abduction and democracy. It is useful for everyone and computer.

2.2 Contradiction [FIT2006, 13, 16] [TS2006, 10, 11, 12] [THPJ2012, 15/1,2]

Single thing is not going on by itself *as shown in the previous sentences in this paper*. Because everything is mutually related or moving. So, we should have built a concept of a thing with mutual relation or movement. It is **Contradiction**. It is simply the structure of relation or

movement expressed as "object1- relation- object2". Energy and the difference between object1 and object2 start a contradiction. We have two types of contradiction. 1) Contradiction of Resolving Differences; usual change. 2) Compatible Contradiction; usual contradiction in which two objects exist compatibly. [FIT2012] [THPJ2012]

In a long time, original unit is divided into two objective objects *e.g.: male and female, individual and group, work and consumption*, objective object and thought *e.g.: function and structure, history and logic*, and two thoughts *e.g.: "think" and "learn"*. [TS2011].

And each element starts its own development as CC.

One day, if a part of an object were revealed by facts to be sub-element or condition of the other object each other i.e. bilateral "ireko" in Japanese [THPJ2015/2], two objects had a possibility of continuing to change itself and the other object each other. [TS2011] [FIT2016]

Contradiction of Unity starts. [FIT2011, 16] Some CU can continue to enhance both objects. It is CU among CCs that continue to enhance both objects. Two objects *e.g.: action by sense of unity and action by sense of object*, two thoughts *e.g.: Contradiction and RET* or two attitudes *e.g.: modesty and criticism* form CU.

Contradiction can deal with both movement in an objective world and issue or problem in a human world in unified manner. Contradiction can be used as the minimum model element of recognition and action for the world. [THPJ2015/1] [FIT2016]

3. Requirements: World View and Attitude of Intellectual Life to Survive in the Universe

The life lives under various environment which change accidentally and regularly in the universe.

3.1 The First Requirements

It is necessary for intellectual life to survive is to act for accidental crises such as asteroid collision.

3.2 The Second Requirements: Attitudes

The life need one more requirement to resolve every issue of relation between life and other objects caused by daily or yearly changes of environment.

To live is to decide relation between life and the other objects. The relations are enumerated as 1) to change the attitude which is **a sense of unity and a sense of object**, logic and action, and 2) not to change. [FIT2016] **A sense of unity** is an attitude to enhance both life and the other objects as unity. I define the value of this as love. [FIT2013]

I make a hypothesis: To meet the second requirements the life need to have a sense of unity and a sense of object.

So, the intellectual life is classified into type O having only a sense of object and type OU having both senses. Type O should realize the function of a sense of unity only by a sense of object, which seems to have little possibility.

How to become type OU is not yet formulated.

However, we have an example of our human being.

Example: World View and Attitudes of Human Being

1) Human seems to happen to divide the process of realizing value into two stages in which evolution works in our body and culture works outside our body. Culture consists of technology, institution, science and art. [TJ200306] Evolution has been corresponded to the change from outside and culture to the change from ourselves.

2) Human being on the earth started agricultural revolution about 8000 years ago. Since then, human history is the history of technology, especially that of using energy with an action by a sense of object. [IEICE2016]

The actions by the sense of object to deal with plant and solar energy gradually increases the quantity of long-preservable-products and population. It brings about a unilateral sense of unity as insufficient opposite concept of the sense of object. It took about 4000 years as follows.

21) The division of labour caused by the variety of the earth and the increase of the quantity of products could set a condition to start a barter. About 6000 years ago a man and woman, I guess, accidentally exchange products of their group each other. [TS2010] [IEICE2012]

This starts a barter and possession simultaneously. Possession forms a kind of sense of unilateral unity which draw object to subject to form a kind of institution. But this caused tendency of wasting something one does not possess. [MARX1844]

22) Barter brings out "principle of equality". [ISZK899-617] This slowly makes an equality, a balance, a sense of difference, series of reasoning and so contributes to science. Also barter started economy which is a kind of institution. [IEICE2012] [TS2012]

Growth of population and cooperation creates a sense of belonging to a group to form a kind of institution. Also, law, politics and religion emerged 4000 years ago. These are a kind of institution. Culture takes form around this time.

These forms a kind of sense of unilateral unity which draw subject to object. However these also become a basis to eliminate the other group consciously. And "principle of equality" and institution bring out equalizing something not to be equalized to make "crime and punishment" and revenge. [FIT2016]

3) Since then, almost 4000 years had passed. And after industrial revolution, 31) actions by a sense of object are changing objects only for human being on a large scale. [IEICE2016] 32) But the actions did not necessarily enhance value of objects and value of private possession [MARX1844] and sense of belonging to nation etc. conquered the world. So, we had many issues such as war or destruction of environment. [FIT2016]

4) After agricultural revolution, human spent about 8000 years to find out the world view and the sense of value. They are 41) the needs to unify a sense of object and a sense of unity and 42) an insufficiency of unilateral sense of unity as a summary of history.

We have come to need to act unifying a sense of bilateral unity and sense of object reviewing the sense of unity. "Sense of bilateral unity and sense of object", "love and liberty" and "action unifying a sense of bilateral unity and sense of object" are all two objects of Contradiction of Unity which continue to enhance two objects. [IEICE2012] [THJP2012, 2015/3] [FIT2013, 16] [NKGW2016] [CGK2016]

4. Conclusive Thought

The issue on energy [CGK2016] and the means to take for crises such as big volcano eruption, solar storm or disappearance of the sun are not discussed here. The culture will correspond to the crises not only from ourselves but also from outside.

How to make the attitude and the picture of culture, especially economy by type OU with a sense of object and a sense of unity is an issue to be resolved. The resolution might be in the abstraction from *the case of the human discussed here*. The effort to resolve the issue by RET at this time should be the way of life or philosophy of human being on the earth. The way of life or philosophy is the world view, the sense of value, an attitudes and logic. This is also the message to the intellectual life in the universe.

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References

Link to papers by TAKAHARA in 2003–2015 are in the following home page "TRIZ Home Page in Japan" by NAKAGAWA Toru.

<http://www.osaka-gu.ac.jp/php/nakagawa/TRIZ/eTRIZ/epapers/e2015Papers/eTakahara-Biblio3-2013-2015/eTakahara-Biblio3-151109.html>

Shorten name of references means as follows.

FIT: Forum on Information Technology held by Information Processing Society of Japan and the Institute of Electronics, Information and Communication Engineers in Japan. **IEICE**: General Conference of Institute of Electronics, Information and Communication Engineers of Japan. **IPSJ**: National Convention of Information Processing Society of Japan. **CGK**: The Conference of Chugoku-branch Joint Convention of Institutes of Electrical and Information Engineers. **TS**: TRIZ Symposium in Japan. **THPJ**: TRIZ Home Page in Japan. By NAKAGAWA Toru. **[MARX1844]** MARX, "Economic & Philosophical Manuscripts", Written in 1844. 1932. He is the first man who expressed the necessity of unifying a sense of object and a sense of unity. **[NKGW2016]** NAKAGAWA, "TRIZ/CrePS Approach to the Social Problems of Poverty: Underlying the Arguments by Ordinary People, 'Liberty vs. Love' Is Found the Principal Contradiction of the Human Culture", TS2016, Sept. 2016. **[IEICE2016]** TAKAHARA, "The Dialectic Logic on the Earth", IEICE2016, A-12-1, Mar. 2016. In Japanese. **[FIT2016]** TAKAHARA, "Radical Enumerative Thinking and Contradiction of Unity for World View, the Way of Life and the Future of Human Being", FIT2016, Sept. 2016. **[CGK2016]** TAKAHARA, "A Note on Energy and Post-Capitalism", CGK2016, R16-07-17, Sept. 2016. **[IPSJ2017]** TAKAHARA, "A Method of Solving Big Issue", IPSJ2017, 7F-02, Mar. 2017. In Japanese.