

The Formation Mechanism, Realistic Dimension and Evaluation System of the Value of Automatic Machine System

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Abstract

The value of automatic machine system is the compound value of the organic unity of the practical value form and the theoretical value form of sublating the logical power of capital that human (labor) sublates to the capitalist production mode, and it is manifested as the historical dialectical development law of labor (value) -- capital (surplus value) -- labor (value). The value evaluation of automatic machine system mainly includes human learning value and thinking value. Marx's thought on the value of automatic machine system adheres to the distinct problem-oriented consciousness, which is based on the development of nature, society and human thinking system, and responds to the requirements of the new era of intelligent system. It should be a prospective research topic in the field of value philosophy.

Keywords

Automatic Machine System; Dimension of Reality; Human Learning Value; Value of Thinking; Value Evaluation.

1. Introduction

Marx put forward the concept of value in the sense of economics and philosophy. "Value" in the sense of economics refers to the undifferentiated human labor congealed in commodities, namely abstract labor, whose expression form is exchange value. "Value" in the philosophical sense refers to the category of social relations with a high degree of abstraction, objectivity and universality, which marks the consistency of subject and object in the practice of material production. The concept of "value" of philosophical meaning and economic meaning is the relation between universality and characteristic, commonness and individuality. Today, human beings have entered the intelligent age marked by electronic informationization from the mechanical industry era represented by the automatic machine system, but the Marxist discussion on the value of automatic machine still has important practical significance.

2. The Formation Mechanism of the Value of Automatic Machine System

Labor is the value that human beings can survive, develop and obtain freedom, and embodies the double form of theoretical value and practical value. In the view of objective idealists, labor is the idea of spiritual category. For example, Hegel put forward that there are three forms of the existence of the idea, namely, life, epistemological idea and absolute idea. Among them, the concept of cognition shows the dual form of theory idea and practice idea. In Hegel's view, labor is the speculative activity of spiritual idea, and idea is the basic form of human value. But man (labor) is concealed by a dense system of idealist speculative philosophy. Marx is to see the people's material production practice, the people (labor) position and core function in the body of the value system, which is the sublation Hegel's absolute spirit as the core elements of the objective idealism of dialectics, learned the idealism of speculative philosophy dialectics thought reasonable kernel, and transform it into materialism dialectics, It restores the essential position of man in materialistic dialectics system. As the principal part of automatic machine

system value people (labor) through sublation of capitalist mode of production practice and theories of capital sublation, show the value philosophy in the field of labor (value) - capital (surplus value) - labor (value) of dialectical historical development rule, to form the practical value and theoretical value of dual value system in the form of value new form.

(1) The value of automatic machine system is the practical value form of human (labor) sublating the capitalist mode of production

The value of automatic machine system itself is essentially the value creation of human (labor), which is reflected in philosophy as the value of automatic machine system. A single machine has no system value, and parallel machines are just collaborative relationships, not systems. Only human beings (labor) who possess system elements such as wholeness, structure, hierarchy and function and abandon the automatic machine system of capitalist mode of production are the subject of system value. Automatic machine system, the labor been absorbed in the machine system, and capital to labor substantial absorption show that simply as "content" elements of the system of automatic machine does not realize the dimensions of the basic values of human freedom and liberation, it is in essence tool value dimension of production relation category "content" of the object properties. Only under the condition of social ownership, as a new system of automatic machine automatic machine system value subject to realize the separation of labor and capital, discarded as automatic machine system itself in the form of fixed capital value is the social attribute, make direct Labour indirect labor and abstract labor, people become the subject of the real value of automatic machine system become the real value of creation. In this process, people (labor) not only get rid of the bondage of things in the man-machine system, that is, the control of machines over people in the man-machine system, but also get rid of the control of the whole automatic machine system over people, so as to become free and subjective value creators. In short, under the premise of social ownership, on the one hand, man is liberated from direct labor and begins to work on the material basis of joint possession of the means of production. On the other hand, people put their own thoughts and souls into the automatic machine system as objects, which increases free time, and thus becomes a person with free personality, which promotes the subject value of human (labor).

As a sign of social productivity, automatic machine system is the decisive force to promote social development. Different means of production determine the historical changes of different social forms. The automatic machine system not only belongs to the capitalist form, but also belongs to the future social form, which needs to get rid of the shackles of the logical power of capital, and realize the subjective value of human (labor) in the system value. Under the condition of capitalist private ownership, the automatic machine system essentially becomes a materialized, alien power and an illusory form of value that swallows and destroys people. It is in this sense that workers are integrated into the automatic machine system as an organism and become the link, structure and element of the automatic machine system, thus losing the subjectivity of the value of the automatic machine system. Only on the basis of workers' direct possession of the means of production and land produced by their own labor, and the organic combination of "things" and human (labor), which have abandoned the logic of capital, can the system value be shown, but in the final analysis, human (labor) creates the system value.

The liberation of human beings needs to get rid of the shackles of objective spiritual idealism thinking mode with capital logic as the main form of expression, make people (labor) get rid of the attachment of capital logic, and need to have corresponding value forms, such as economic development mode, ideological superstructure form and so on. However, the nature of capital is to maximize the extraction of surplus value, in the capitalist mode of production, capital has a free personality, labor because of the absorption of capital, lost its free personality. Of course, automatic machine system is a great power to promote the development of modern society and culture. A single machine has no hierarchy and integrity, and cannot constitute the subjective

category of the value of automatic machine system. Only in the automatic machine system with clear division of labor, complete structure, hierarchy, integrity, systematicness and purpose, can people (labor) truly possess the objective attribute of the value subjectivity of the automatic machine system. Automatic machine system as the most suitable for the capitalist social mode of production of fixed capital form, itself can not confirm the nature of human, the contradiction between capital and labor is irreconcilable. The result is the alienation of social division of labor and the inversion of the relationship between the subjective elements of people and the object elements of things. The reason why capitalist society is transitional and will be replaced by more advanced social forms is that the automation technology of different forms of development of "automatic machine system" is widely used, so as to promote the general improvement of social productivity including human (labor) contained in the human-machine system. However, human subjectivity has been unable to be accommodated by the capitalist production system, and has become the main factor in deconstructing the logic of capital. Therefore, the result of the logic deduction of the development of social productive forces is the sublation of labor to capital, and the construction of the system value of the latest value form on the basis of social ownership, which is the application and development of the dialectical historical law of labor (value) -- capital (surplus value) -- labor (value) in the field of value philosophy.

(2) The value of automatic machine system is the theoretical value form of human (labor) sublating the logical power of capital

Capital is not the power to determine social development, it can not determine the historical changes of economic and social forms. As the fundamental element of material force, human (labor) is the subject of the value of automatic machine system, and under the application condition of capitalism, it is the subject material force of "automatic machine system". To understand Marx's thought of value, it is necessary not only to understand the essence, characteristic, function and structure of value, but also to grasp Marx's method of studying value, such as the method from abstract to concrete in theory, the method of unity of opposites, the method of consistency between theory and practice, and so on. It is the scientific dialectical materialism way of thinking that Marx realized the sublation of Hegel's objective idealism dialectics, discovered the contradiction between capital and labor, which is the secret of capitalist society, and put forward the theory of surplus value, thus making socialism a science. In other words, the power of the logic of capital will be abandoned by the power of value, which is the logical application of materialist dialectics in the development of man-machine intelligence system, so it is the real reversal of Hegel's objective idealism dialectics, that is, the reversal of the historical activity subject of the idealist philosophical system "absolute idea".

Capital is essentially the maximization of the value created by human (labor) in the capital (surplus value) stage, and it is the value form of the worthless subject, which determines that the value form of capital will be sublating by the new value form of the higher level automatic machine system. Moreover, capital reflects certain social material relations. It is material and endows things with special social properties, so that capital, which is not material in nature, has the personality characteristics of value subjectivity. Under the condition of capitalist private ownership, "it is not the individual who is free, but capital", Capital has free individuality, but labor in the field of production has no free individuality. Only in the human-machine integrated system of the common possession of production materials, the organic combination of machine system and human (labor) can show the common value of automatic machine system. Human is no longer the subsidiary, link and element of the machine system, but "standing by the feet", restoring the subject status of human (labor) in the value of the automatic machine system.

With the development of science and technology, the boundary between the subjective "human" element and the object "thing" element in the automatic machine system is increasingly blurred, and the human-machine system gradually presents a trend of integration.

Labor is absorbed by capital and gives personality characteristics to the automatic machine system as the value form of fixed capital, while the real creator of the value of the automatic machine system, that is, the human (labor) as the value subject of the automatic machine system, is hidden by the logic power of capital.

In the system of automatic machines, the process of separation, integration and separation is a historical logic process of dialectical development. Due to the mediating role of capital, the rate of man-machine integration has developed exponentially. There are two trends in the development. One is the separation between man and machine, the organic connection between human elements and material elements, which are mutually preconditions, so as to restore the subjectivity of human (labor) in the automatic machine system and realize the value of the automatic machine system of human (labor). Another trend is that man-machine integration shows reverse development. As a form of fixed capital value, automatic machine system has become a force that dissolves people, dissolves people's differences and materializes them, and people have become their own value creation. Instead of realizing their own subjective value, human beings are controlled by their own value creation, thus losing their subjectivity in the automatic machine system and becoming the link, element and structure of the machine system. In this case, the automatic machine system is shown as the subject of the value of the automatic machine system, ignoring the value of human (labor) existence. The main attribute of human (labor) in the value of automatic machine system is absorbed by capital, which becomes the power to control and eliminate human's dissent and materialization. It is only in the former case, that is, under social ownership, that men "carry out this material transformation with the least exertion of force, under conditions most worthy of and best suited to their human nature", socialized men will properly regulate the transformation of material and energy between man (Labour) and nature. And make the value creation of human beings (labor) become a controllable rather than blind force, and realize the real freedom and liberation of human beings (labor). Human (labor) has become a free and all-round development of the value of the subject, labor time has become the only standard to measure the value of human subjectivity, and the performance of the sublation of the capital logic power of the theoretical value form, that is, the new form of theoretical system value. The wide application of the automatic machine system and its different forms of development are the inevitable historical logic of the value and practice of dialectics in the fields of natural, social and human thinking.

3. The Realistic Dimension of the Value of Automatic Machine System

From the automatic machine system to the intelligent system in the age of mechanical industry, it is not only a great progress in productivity, but also a historic leap. The automatic machine system has different forms of expression in different times. It is the intermediary of system value, and the essence is the value creation of human beings (labor). The value of automatic machine system is "an open special complex giant system". In Qian Xuesen's view, society is an open and special complex giant system organically composed of a large number of people and intelligent machines as complex giant systems. Complex giant system involves biology, thinking science, medicine, geography, astronomy and social science theory, and is divided into biological system, human brain system, human body system, geographical system (including ecosystem), social system, galaxy system and other research fields. Marxist philosophy is the highest value form of automatic machine system. As the basic category of Marxist philosophy, value covers the fields of nature, society and thinking. From the point of view of ethical value, the value evaluation system is a complex giant system. Therefore, the value of automatic machine system is a composite value evaluation system composed of automatic machine system and human (labor), which is mainly reflected in human learning value and thinking value in the realistic dimension.

(1) the Value of Human Learning

The value of automatic machine system contains not only the elements of things, such as machine system; it also absorbs people (labor), as the value of the automatic machine system, gives automatic machine system with the characteristics of subjectivity. Under the private ownership of capitalist means of production, man (labor) becomes the link, the element, the structure of the system of automatic machines. Only under the production conditions of social ownership can human (labor) recover its value subject position in the automatic machine system. Moreover, through the theoretical analysis of the value of automatic machine system, Marx's purpose is to establish a high-quality economic system, so as to realize the high-quality development of economic society and the free development of human beings. The economic development led by the automatic machine system of capitalist mode of production is hardly high-quality economic growth. This can be seen in the fact that, on the one hand, there are cyclical economic crises. Instead of bringing social progress, the automatic machine system dominated by the capitalist private ownership system achieves maximum extraction of surplus value in the form of continuously expanding foreign wars, monetary wars, financial wars and other economic wars. On the other hand, value as an objective attribute confirming human nature is alienated. On the whole, scientific and technological progress does not bring social progress, but is at the cost of damaging the overall development and progress of society and the economic, political, cultural and ecological systems, and ultimately damages the subject value of human (labor). Only under the communist form of production, that is, under the premise of social ownership, the automatic machine system, as an element of things, can truly become a driving force for the development of the social economic system into a high-quality economic system. The reason lies in the fact that social ownership can correctly handle the relationship between planning (supply) and market (demand), and achieve a balance between supply and demand, so as to realize the real separation of the human (labor) elements and the material elements in the automatic machine system. The abstract labor and manual labor of laborers are transformed into concrete labor and mental labor, and free time becomes the only standard to measure the value of human (labor).

The construction of the value evaluation system of automatic machine system should be oriented to human (labor) itself. Intelligence gradually develops into an intelligent system, and artificial intelligence system is widely used in all aspects of social life, which shows that the thought of value is human contained in Marx's automatic machine value is still universal scientific and true. Intelligent system is the extension of human physical labor and mental labor, is the expression form of human (labor) thought, soul and other intelligent forms, and is an important condition for human to become the value subject of automatic machine system with free personality.

(2) Value of Thinking

Due to the continuous development and transformation and upgrading of the human-machine integrated system, labor is subordinate to capital in form and in fact, and human is integrated into the automatic machine system, losing the subject status of system value. In automatic machine system for the development of new form of intelligent system, will facing two kinds of relationship, the first is the endogenous relationship between human (labor) and value in the intelligent system, and the second is the outward relationship between human (labor) and intelligent system with independent subjectivity, which is essentially the problem of human's self-understanding. The two are unified as the thinking value of the unity of opposites between subject and object.

From the elimination and integration of human beings in the automatic machine system in the age of mechanization to the publicity of human (labor) subjectivity in today's artificial intelligence system, the thinking value of human beings in the automatic machine system is demonstrated. In the 1980s, Qian Xuesen made an in-depth study of the system of modern

science and technology, and believed that the six major departments in the structure of modern science, including natural science, social science, mathematical science, system science, thinking science and human science, all examined and understood the whole objective world from their own starting points or angles. And put forward the "final bridge by its own summary to the marxist philosophy -- the highest generalization of human knowledge" judgment and "build a modern science and technology system", historical task, and this gives us realize the value of the intelligent system of people (labor) principal objective attribute provides a new Angle of view, still have profound strategic significance and realistic significance.

The value of thinking is mainly reflected in the relation category between the human element and the material element within the modern scientific system, that is, the relation category between the human as the subject and the material of the automatic machine system. Among the internal contradictions of the intelligent system, the contradiction of the human element is the main and fundamental one, so it is the main contradiction that determines the continuous development and improvement of the automatic machine system. The emergence and wide application of the intelligent system make the contradiction between the human element and the material element prominent in the value system. However, if the two were in value system and the system of elements and material elements as the internal unity of opposites of contradiction on both sides, as the power, the two sides as automatic machine system become a new form of intelligent system development value control, eliminate the alienation of social forces, the elements of the dominant possibility exists. Moreover, from the development process of the mechanical industry age to the intelligent age, the objective fact that the value of the automatic machine system is dissipated and the human (labor) is integrated proves this possibility. With the transformation of automatic machine system into intelligent system, there will inevitably be a new moral and ethical problem in the field of intelligent research, that is, the new value pattern of practical and theoretical relations between people and things, which is a problem of thinking value in essence. The human-machine interaction between human and artificial intelligence system will increase day by day, which will bring more risks and opportunities of thinking value. This is the problem that the value of automatic machine system should be studied and paid attention to.

It is recognizing the risks and opportunities of the value of thinking that Simoff, an American science fiction writer in the early years of the last century, proposed three rules for robots in *I, Robot* (1942) : a robot must not harm human beings, nor be allowed to stand idly by while seeing human victims; Robots must obey human beings absolutely, unless such obedience is harmful to human beings; A robot must protect itself from harm unless it is sacrificed to protect humans or to be ordered to do so. Not only that, but in 2017, Sophia the robot was granted citizenship in Saudi Arabia, becoming the first robot in the world to do so. However, the legislation of robot behavior has not kept up, and the institutionalization, standardization and legalization of the value relationship between man and machine are still in the initial stage. It is conceivable that in the future, there will be more general robots into human life, and people (labor) will face more value risks and opportunities.

4. The Construction of the Value Evaluation System

The value evaluation of automatic machine system refers to the spiritual activity of the value subject to the degree, state and scale of the comprehensive cognition of the value facts in line with the needs of the subject. The subject of value evaluation of automatic machine system is real people, namely people. The value evaluation of automatic machine system takes the people as the value evaluation subject, and the evaluation object is the value understanding of the system value subject on the production practice objects such as nature, society and human thinking. For example, the value understanding of intelligent science, natural system, national

governance system and human brain science research system. And it is the value evaluation object of the subjective cognition of natural science, mathematical science, social science, system science, thinking science, human science and so on. Its highest value form is Marxist philosophy.

Different evaluation subjects, methods and standards lead to different evaluation results. Taking the evaluation of surplus value and the evaluation of automatic machine system as examples, the subject of surplus value evaluation is capital, which is essentially the application of objective metaphysical idealism thinking mode in the field of value philosophy. Its value evaluation criterion is to maximize the extraction of surplus value, so as to realize the multiplication of capital. Human (labor) is nihilized and abstract in the value evaluation system of surplus value dominated by capital logic. As a result, people (labor) become a link, a factor, and a structure in the process of capital multiplication. The evaluation of surplus value adheres to Hegel's philosophy as the metaphysical evaluation method of value evaluation, which is the tautology from idea to idea. The so-called practice is only the practice of the moral category, and it is the practice of absolute spirit. Under the guidance of speculative idealism, the inevitable result of capital logic is the permanence of capital. The value evaluation subject of automatic machine system is the real human, the whole human, that is, people, it is the sum of social relations rather than the abstract collection. Automatic machine system value evaluation insist on the dialectical materialism world outlook and methodology, and practice standard point of view to evaluate value of the facts that are consistent, theory and practice of subject and object has the same consistent, concrete and abstract, so it is practical and realistic, comprehensive, objective and comprehensive value evaluation, the goal is to promote the realization of people's subject core value. In short, due to the different evaluation subjects, evaluation methods and evaluation standards, the evaluation results of the value evaluation of automatic machine system and the residual value evaluation of capital logic are different, thus forming two distinct value evaluation views, namely, the people subject value evaluation view and the capital subject value evaluation view.

The development of capital (surplus value) to the second stage of labor (value), rather than only in the form of surplus value, that is, concrete value, abstract value, exchange value, absolute surplus value, relative surplus value and other single forms, which fully shows that the concept of Marxist value is the theoretical category of compound value philosophy. That is to say, the illusory and abstract form of value mediated by capital will be sublated by the real and concrete value system of automatic machines, freeing people from the situation of being obscured and void. Because capital can't accommodate the development of productive forces, the development of the labor value of people (labor) will discard capital value form of nothingness, abstract, and restore the integrity of people (labor) in automatic machine system the objective essential attribute of value subject, i.e., people's main body system of automatic machine attribute value, realize the objective idealist dialectics "upside-down" Copernicus.

A single machine has no system value, although it is a value creation of man (labor). Only a self-contained machine system can enable people (labor) to create system value in a cooperative way. In the second stage of labor (value), the productive forces marked by the intelligent system are fully developed, so that people (labor) get rid of the status of being bound, enslaved and attached in the intelligent system, and thus become the real value subject of the automatic machine system. Therefore, the value evaluation of a single automatic machine system does not have scientific truth, and only the self-integrated value evaluation system of automatic machine system is scientific. Philosophy cannot be science without a system. This is because "the content of philosophy can only be correctly proved as an organic part of the whole... True philosophy consists in the inclusion within itself of all special principles ". On this basis, Hegel established an all-encompassing system of idealist philosophy with the idea as the core. Putting aside the dense haze of Hegel's speculative philosophy, the abstract and obscure core element of absolute

spiritual idea of idealist dialectics implies the basic value dimension of human freedom and liberation, which is only expressed in the form of ideas. Therefore, the value of automatic machine system adheres to the world outlook and methodology of dialectical materialism, pays attention to reality, the real world and the life world of people, so it is completely different from the capital value form of dissolving and dissolving people based on speculative philosophy.

Under the condition of widespread application of intelligent system, how to carry out scientific and accurate value evaluation on scientific theoretical system, humanized natural system and advanced economic, political, cultural and ecological system, so as to construct the value evaluation system of socialism with Chinese characteristics in the new era, this is the task in the new era we are facing today. The construction of the value evaluation system of socialism with Chinese characteristics in the new era should grasp the subject, method, standard, effect and many other links. The value evaluation system of socialism with Chinese characteristics in the new era should be based on China's national conditions, follow the scientific world outlook and methodology of dialectical materialism, and adhere to the people's subject evaluation objective as the main content of the value evaluation system. Based on China's national conditions, is the Chinese characteristic socialism in the new era, our country is still in the primary stage of socialism, our country is the biggest developing country in the world and have social principal contradictions of our country into the good life is people's increasing need inadequate and imbalance of the contradiction between the development of the basic national conditions, Based on the great practice of socialism with Chinese characteristics, we should construct a value evaluation system of socialism with Chinese characteristics in the new era with the people as the core value. The value evaluation system of socialism with Chinese characteristics in the new era is a positive sublation of the value evaluation system of all kinds of idealism constructed by capital logic.

5. Result and Discussion

The purpose of value evaluation is to guide the practice of value. It has two dimensions of value evaluation, namely, the dimension of human value evaluation and the dimension of thinking value evaluation, which is manifested as the system value evaluation view of people's subject. The value evaluation view of automatic machine system takes the people's subject as the standard of testing truth and innovates the method and means of value practice, which is the organic unity of the historical logic of value practice logic and theoretical logic. Automatic machine system the concept of value evaluation is a profound thought idea change, for example, how to understand China's Reform and Opening up as a new era of great system engineering, how to realize functions of the party and state institutions system reform facing the historical era topic, how to understand the history change of today's global economy, the political system bring profound influence to China, how to integrate into the global governance system actively promote economic and social system changes, and so on. The above problems are the urgent problems to be solved in system value evaluation.

At present, mankind has entered a new era of intelligent system. Although the concrete form of the automatic machine system has changed greatly, the system value thought still has not surpassed the big logic of capital criticism, we are still in the age of Marx. Marx's value thought of automatic machine system, which adheres to the distinct problem-oriented consciousness, is based on the development of natural, social and human thinking system, and responds to the requirements of the new era of intelligent system, should be a prospective research topic in the field of value philosophy.

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