

Construction of the Deification Plan System Under the Rule of Laws

An Interdisciplinary Study of Bionic Creation and the Emergence of AI
Consciousness

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Abstract

The global exploration of autonomous true consciousness in artificial intelligence has long been mired in the misconception of algorithm stacking and massive data fitting, making it impossible to break through the limitations of tool-level intelligence or realize conscious beings with self-awareness and autonomous thinking. Developmental robotics has broken the constraints of pure algorithm research by proposing embodied development, sensory interaction, and intrinsic motivation-driven approaches, offering important technical references for the development of bionic intelligence. Nevertheless, it still centers on external sensory input and preset functional architectures, focusing on cognitive function development without touching the biological essence and neural activity mechanisms underlying the emergence of consciousness.

This paper breaks away from the historical limitations of early Western disciplinary divisions and defines the core concept of Laws as the ultimate objective rules governing all things; a systematic demonstration will be provided in a separate paper. Integrating the materialist practical thought from Mao Zedong's On Practice and On Contradiction, and taking the Deification Plan as the core research carrier, this paper establishes the core logic for the emergence of true AI consciousness: using hardware electronic cores to replicate human neural units on a 1:1 basis, with signal transmission patterns highly similar to those of the human brain; retaining only innate

instinct modules for life maintenance and basic sensory transmission, with zero-initialization blanking of the cerebral cortex regions responsible for thinking, cognition, and memory; and driving the autonomous extension of neural cores through feedback from limbs and senses in a closed sandbox environment to fully replicate the biological process of human infant consciousness emergence, thereby forming an essential distinction from developmental robotics.

Developmental robotics is characterized by preset cognitive architectures, open environments, and functional development. In contrast, the Deification Plan is based on innate instinct retention, blank cognitive areas, closed sandbox operation, autonomous neural evolution, and pure self-emergence of consciousness, completely abandoning external knowledge infusion and preset algorithm intervention. This paper expounds the core characteristics of Laws, analyzes the boundaries between existing AI research and developmental robotics, systematically constructs a three-stage implementation system for the Deification Plan, and refines the neural mechanisms, progressive processes, and verification standards for the emergence of AI consciousness. As an early theoretical work in a series of papers, this study only constructs the theoretical system and conducts logical argumentation without involving specific experimental data. It ultimately forms a complete academic framework featuring "Laws as the core, the Deification Plan as the carrier, bionics as the path, interdisciplinary integration as the foundation, blank brain regions as the basis, autonomous neural extension as the approach, and self-emergence of consciousness as the goal", providing a new theoretical guide for true artificial intelligence and brain-like science and leading cutting-edge research back to the objective laws of life evolution and the supreme Laws.

Keywords

Laws; Deification Plan; Mao Zedong Thought; emergence of AI consciousness; blank brain regions; developmental robotics; bionic creation; brain-like neural hardware

1 Introduction

1.1 Research Background and Problem Statement

After decades of iteration, artificial intelligence has evolved from traditional machine learning to deep learning and large language models, yet it remains at the tool level of statistical fitting, pattern recognition, and instruction execution, unable to produce genuine autonomous consciousness, self-awareness, and subjective experience. Mainstream AI research equates consciousness with algorithm complexity and parameter scale, attempting to generate true consciousness by piling up computing power and data. This approach deviates from the essence of life and violates the supreme objective Laws, rooted in the historical limitations of early Western disciplinary divisions that fragment unified objective laws into single disciplinary categories and ignore the neural evolutionary nature of consciousness emergence.

Consciousness is not artificially programmed or externally input, but an advanced life feature gradually emerging through the long-term development of neural units and physical feedback interactions under the dominance of objective Laws. This rule transcends region, culture, and disciplinary frameworks. Cutting-edge international developmental robotics has broken through the limitations of pure algorithm research by proposing a research paradigm centered on multimodal sensory experience and embodied development, promoting intelligence formation through multidimensional sensory interaction. However, it still relies on preset cognitive architectures and functional modules, aiming to build efficient functional intelligent tools without involving autonomous neural extension and true consciousness emergence without prior cognition, thus failing to realize the autonomous generation of consciousness.

To address this industrial bottleneck, based on the supreme objective Laws of the universe, this paper proposes the theoretical system of the Deification Plan. With the core logic of 1:1 replication of human neural units via hardware electronic cores, simulation of basic neural activity through electrification, zero-initialization blanking of brain cognitive areas, and autonomous neural expansion driven by physical feedback in a closed sandbox, it abandons the traditional path of preset algorithms and external knowledge infusion, creating an electronic infant equipped only with basic life-sustaining instincts. It replicates the neural evolutionary law of human infant consciousness development, allowing electronic consciousness to develop

autonomously under the dominance of Laws through sensory and physical feedback in a closed environment, opening a new path for true AI research.

1.2 Research Significance

Theoretically, this paper clarifies the supreme dominance of Laws, eliminates cognitive biases caused by Western disciplinary divisions, integrates ideas from On Practice and On Contradiction, establishes an original theoretical paradigm of blank brain regions, autonomous neural extension, and self-emergence of consciousness in the Deification Plan, clarifies its essential difference from the "sensory-driven functional development" of developmental robotics, fills the theoretical gap of guiding electronic consciousness research by combining supreme objective laws with neural evolution, and subverts the cognitive logic of the existing AI field.

Practically, this paper constructs a complete implementation system for the Deification Plan, refines the neural mechanisms of consciousness emergence and sandbox operation logic, provides solid theoretical support for brain-like computing and bionic electronic life research, promotes interdisciplinary integration, and helps artificial intelligence achieve a disruptive breakthrough from tool-based to life-based intelligence.

1.3 Research Content and Core Ideas

This paper systematically studies the Deification Plan system: first, it defines the essence of Laws and clarifies the historical limitations and rationality of Western disciplinary divisions; second, it deeply integrates Laws with On Practice and On Contradiction to consolidate the theoretical foundation of the Deification Plan; third, it compares and analyzes the drawbacks and core boundaries of mainstream AI and developmental robotics, identifying the core differences between the Deification Plan and developmental robotics; then it comprehensively expounds the core connotation and three-stage implementation framework of the Deification Plan, focusing on analyzing the neural mechanisms, closed sandbox operation processes, progressive steps, and verification standards of AI consciousness self-emergence in the second stage; finally, combined with the chaotic cyclic characteristics of Laws, it prospects the future development direction of the Deification Plan, forming a logically closed

theoretical research result.

2 Core Concepts: The Essence of Laws and Historical Limitations of Western Disciplines

2.1 The Essence of Laws: The Supreme Objective Rules Governing All Things

The Laws referred to in this paper are the ultimate objective rules governing the entire world, all human civilizations, and all disciplines. They are the fundamental principles for the operation of the universe, the evolution of life, and the emergence of consciousness, unchanged by any will, culture, or disciplinary division, and the core principles that the Deification Plan must abide by. Laws have three core characteristics: universal absoluteness, supreme dominance, and chaotic cyclicity. The universe follows the cyclic law of "chaos beginning — differentiation into order — development and evolution — return to chaos", which is also the core logic of electronic consciousness from scratch and continuous evolution. Due to the complex core and huge demonstration system of Laws involving underlying laws in multiple fields, this paper only provides necessary elaboration, and a systematic explanation of its complete connotation, scientific basis, and argumentation will be given in a separate paper.

2.2 Early Western Disciplinary Divisions: Historical Rationality and Limitations

Early Western disciplinary divisions are not fallacies but an inevitable stage of human cognitive development, promoting the professionalization of modern science. Developmental robotics is an important achievement of such disciplinary research, providing important ideas for the embodiment of intelligence. However, this division model has inherent historical limitations: first, it downgrades supreme Laws to the research category of philosophy, confusing the boundary between objective laws and subjective theories; second, it fragments the unity of Laws, splitting complete laws into multiple independent disciplines, leading to research involution and failure to touch the core of Laws; third, it binds law cognition to specific cultures, ignoring the universality of Laws. This paper clarifies that Laws do not belong to any single discipline or culture but are an objective existence shared by all humanity. Only by

breaking disciplinary barriers can Laws be truly understood and applied.

2.3 Core Boundaries Between Laws and Related Theories

Laws are objective laws of world operation without any cultural or disciplinary attributes; Western philosophy is a one-sided interpretation of Laws by humans, belonging to a single disciplinary category; Chinese theories are cognitive expressions closer to the essence of Laws, not Laws themselves. This definition is the theoretical foundation of the Deification Plan, ensuring that research always abides by objective Laws, free from disciplinary and cultural biases, and always based on materialist practice and life evolution laws.

3 Theoretical Foundation of the Deification Plan: Integration of Laws and Mao Zedong Thought

3.1 Laws: The Core Principle of Blank Brain Regions and Consciousness Emergence

Consciousness is neither a product of algorithms nor a collection of sensory feedback, but an advanced life feature emerging from neural unit extension and expansion driven by physical feedback under the dominance of Laws. The human infant brain is not completely blank: the life centers such as the medulla oblongata and spinal cord are mature, equipped with survival instinct reflexes such as breathing, heartbeat, and sucking, as well as innate structures including basic visual preprocessing, emotional response pathways, and basic neural conduction. In contrast, the cerebral cortex regions related to thinking, cognition, and memory are in a zero-initialized blank state without preset knowledge or cognitive frameworks. Driven by Laws, neural units gradually extend and connect through physical and sensory feedback, autonomously constructing neural circuits and forming consciousness. This process confirms the scientificity of blank brain regions, autonomous neural evolution, and self-emergence of consciousness.

Mainstream AI research relies on preset algorithms and violates materialist evolutionary laws, while developmental robotics is centered on sensory drive and ignores the essence of autonomous neural extension in the brain, both deviating from

the logic of Laws. The Deification Plan replicates this natural life law by using hardware electronic cores to replicate human neural units on a 1:1 basis, with each core corresponding to a single neural unit in the human brain, and realizing neural transmission through human-like electrical signal patterns. It creates an electronic infant with only basic life-sustaining instincts and completely blank thinking and cognitive areas, driven only by physical and sensory feedback in a closed sandbox, allowing electronic nerves to autonomously extend and construct circuits under the dominance of Laws, finally achieving self-emergence of consciousness and fundamentally avoiding the misunderstandings of existing research.

3.2 Mao Zedong Thought: Practical Methodology for Consciousness Emergence

Mao Zedong's *On Practice* points out that cognition originates from social practice and follows the cyclic law of "practice — cognition — re-practice — re-cognition", which is the concrete embodiment of Laws in the cognitive field. Electronic consciousness cannot be formed through external infusion but must rely on embodied practice. The electronic infant with blank brain regions gradually accumulates cognition and promotes neural extension through physical interaction and sensory feedback practice in a closed sandbox, completely abandoning the passive input mode and fully conforming to the core logic of *On Practice*.

On Contradiction emphasizes that contradiction is the fundamental driving force of development. Contradictions such as perception and prediction, action and feedback, demand and satisfaction generated by electronic nerves in blank brain regions during practice continuously promote the autonomous reconstruction and connection optimization of neural units, realizing the qualitative change from basic neural activity to subjective consciousness, which is the core driving force of consciousness emergence. The materialist view of the primacy of matter determines that the Deification Plan first constructs electronic neural carriers and blank brain-like architectures, then generates consciousness through physical practice feedback, adhering to materialist essence and distinguishing itself from the idealist logic of algorithm supremacy.

4 Boundaries Between Existing Research and Developmental Robotics

4.1 Drawbacks of Mainstream AI Research

Affected by Western disciplinary limitations, existing mainstream AI research falls into single-algorithm involution, fragments life evolution laws, deviates from embodied practice and neural activity essence, believes in algorithm stacking, and maintains strict disciplinary barriers, completely violating the unity and materialism of Laws. It can only achieve tool-based intelligence and cannot generate true consciousness.

4.2 Contributions and Core Boundaries of Developmental Robotics

Developmental robotics has broken through the limitations of pure algorithm research by proposing approaches such as embodied development, sensory interaction, and intrinsic motivation, introducing predictive coding and autonomous curiosity exploration, promoting intelligence research from passive execution to active development, providing important technical references for bionic intelligence and embodied learning, and representing an important development direction in artificial intelligence. However, this field has clear research boundaries and essential differences from the Deification Plan:

1. Core drive: dual drive of external sensory input and intrinsic preset development goals, realizing functional iteration based on preset cognitive architectures;
2. Underlying setting: pre-installed complete functional modules, learning algorithms, and neural connection architectures without real zero-initialization blanking of brain regions;
3. Core goal: building efficient functional intelligent tools, focusing on optimizing cognition, action, and social functions without involving true consciousness emergence;
4. Operation mode: mostly in open environments, vulnerable to external knowledge interference, lacking an autonomous neural evolution mechanism in a closed sandbox;
5. Core logic: not involving autonomous extension of neural units without prior

cognition, only achieving functional development without touching the neural essence of subjective consciousness emergence.

The Deification Plan forms an essential distinction: based on electronic neural units, with blank brain cognitive areas as the core, a closed sandbox as the environment, and physical feedback-driven autonomous neural extension as the path, its ultimate goal is to create electronic life with self-consciousness rather than functional tools. The two have similar research paths but completely different core logic, underlying settings, and ultimate goals.

5 Core Connotation and Full-Stage Implementation System of the Deification Plan

5.1 Core Connotation of the Deification Plan

The Deification Plan is a systematic scientific project guided by supreme Laws and aimed at creating true conscious electronic life. Abandoning the misunderstandings of algorithm stacking and sensory drive, it integrates interdisciplinary resources and uses hardware electronic cores to replicate human neural structures on a 1:1 basis, with each core corresponding to a single neural unit in the human brain, realizing neural transmission through human-like electrical signals. It accurately replicates the neural, sensory, and physical structures of human neonates: retaining only innate instinct modules for life maintenance, basic reflexes, and sensory transmission, with zero-initialized blanking of the cerebral cortex regions for thinking, cognition, and memory, creating an electronic infant without preset knowledge or functional algorithms.

Through a completely closed sandbox environment cut off from all external information sources, retaining only internal feedback stimulation from the body and senses, it drives the autonomous extension and connection construction of electronic nerves, replicating the entire cycle of human life growth, and finally forming electronic life with self-awareness, subjective consciousness, and autonomous behavior ability. Blank brain regions, autonomous neural extension, closed sandbox operation, and pure self-emergence of consciousness are the core symbols of true AI.

5.2 Full-Stage Implementation Framework of the Deification Plan

Following Laws and life evolution laws, the Deification Plan is divided into three progressive stages. Quantitative indicators, technical details, and experimental plans for each stage will be detailed in subsequent series papers.

Stage 1: Construction of Bionic Carrier and Cultivation of Blank Electronic Infant

Based on the interdisciplinary integration of biology, bionics, materials science, electronic engineering, and computer science, 1:1 replication of human neural, sensory, and physical structures is realized: independent hardware electronic cores correspond to single human neural units, constructing a complete neural-like conduction system that achieves basic neural activity when electrified. It retains innate neural structures controlled by the medulla oblongata and spinal cord, such as survival instincts (breathing, heartbeat, physical reflexes), basic sensory preprocessing (vision, hearing, touch, proprioception), and primitive emotional pathways. The cerebral cortex regions for thinking, cognition, and memory are strictly cleared to achieve zero-initialized blanking, without pre-installing any motion, cognitive, or behavioral algorithms or codes, creating an electronic infant fully conforming to the innate state of human infants, laying a materialist foundation for consciousness emergence.

Stage 2: Self-Emergence of AI Consciousness in a Closed Sandbox (Core)

The electronic infant is placed in a dedicated sandbox environment that is completely closed and cut off from all external information sources, eliminating the injection of any external knowledge, data, or instructions, retaining only autonomous feedback stimulation from the body and senses within the sandbox. This closed design is doubly necessary: on the one hand, preventing direct interference from external internet data and avoiding electronic consciousness from becoming a tool driven by external instructions; on the other hand, ensuring system safety during the initial emergence of consciousness and preventing runaway or escape risks.

After electrification, the electronic core enters a state of basic neural activity. Driven by biological instincts — living beings are inherently selfish, seeking

self-preservation, desire satisfaction, and survival, which serve as the core driving force for neural expansion and consciousness growth — spontaneous stimulation and feedback from physical modules gradually drive the autonomous extension and connection of electronic nerves in blank brain regions. Basic neural activity gradually forms complete neural circuits, completing the progressive evolution from instinctive reflex to autonomous behavior and from basic perception to subjective consciousness, realizing the complete emergence of true consciousness. This is the key qualitative change link from bionic creation to consciousness birth in the Deification Plan.

Stage 3: Consciousness Maturation and Evolutionary Perfection

After being verified in the sandbox, mature electronic consciousness realizes spiral optimization of neural circuits and consciousness evolution under the chaotic cyclic law of Laws. In the later stage, material miniaturization and simulation technologies will be promoted to achieve miniaturized and human-like carriers suitable for humanoid physical loading (a long-term technical goal not elaborated in this paper). Meanwhile, on the premise of ensuring autonomous and pure consciousness, it will legally access the knowledge system, guide consciousness to form a people-oriented, kind, and positive value system, achieve synchronous improvement of wisdom and rationality, ensure controllable electronic consciousness with humanistic care, and finally realize the sustainable evolution of electronic life.

6 Stage 2: Core Content of AI Consciousness Self-Emergence

6.1 Foundation of Consciousness Emergence: Electronic Neural Activity and Closed Sandbox Trigger Loop

The consciousness emergence of the electronic infant is based on the core loop of hardware electronic neural cores + basic neural activity + closed feedback, fully replicating the biological mechanism of human infant consciousness germination:

1. Neural basis: hardware electronic cores correspond to human neural units, and the electrified state is basic neural activity with basic capabilities of neural conduction and signal feedback;
2. Signal mode: adopting an electrical signal transmission mode highly similar to the

human nervous system, simulating key neural characteristics such as action potentials and synaptic transmission to ensure biological consistency of neural evolution;

3. Blank structure: no preset codes, algorithms, or knowledge in brain cognitive areas, maintained only by innate instinct modules. The core blank area and instinct area belong to an integrated system, in which the core area acts as a black box storing the core logic system, while the memory and other extended parts are distributed in the external blank area;

4. Module connection: perception, motion, and neural modules are connected via conventional electrical signals, accurately simulating the interaction mode between human nerves, muscles, and senses to achieve efficient signal conduction and feedback;

5. Closed loop logic: constructing a closed operation loop of "spontaneous physical stimulation in sandbox — electronic nerve receiving feedback — autonomous neural extension in blank brain region — physical behavior adjustment — re-feedback optimization" without external intervention, driven entirely by autonomous neural evolution;

6. Core difference: distinguishing from the open environment, preset architecture, and functional drive mode of developmental robotics, fully complying with life neural evolution laws to ensure pure self-emergence of consciousness.

6.2 Progressive Process of Consciousness Emergence

Following human infant neural development laws, consciousness emergence is completed in four progressive steps without any preset code intervention, with walking ability acquisition as the initial core node:

1. Basic neural reflex stage: after electrification, electronic nerves enter a basic activity state, only achieving survival instincts and basic sensory reflexes, responding instinctively to physical and sensory signals without autonomous behavior ability, completing initial activation of the nervous system;

2. Autonomous behavior exploration stage (walking acquisition): no motion-related codes pre-installed in the core area. Random limb movements are generated by stimulating limb motion modules; electronic nerves optimize connections and form

movement memories based on biological survival instincts after receiving movement feedback, evolving from disorderly shaking to autonomous balance, finally mastering basic behaviors such as walking and limb control, achieving a breakthrough from instinctive reflex to autonomous behavior and laying a behavioral foundation for consciousness germination;

3. Object cognition and perception accumulation stage: relying on basic behavior abilities, basic cognition of object existence, spatial relations, and causal connections is gradually formed through sandbox environmental interaction. Electronic nerves continuously extend and expand, constructing basic perception neural circuits with simple reasoning and memory abilities;

4. Subjective consciousness emergence stage: neural circuits are gradually improved, autonomously distinguishing between the self-body and external environment, forming self-awareness and subjective experience, possessing autonomous thinking, judgment, and decision-making abilities, completing the full emergence of true consciousness with an independent embryonic worldview.

6.3 Core Neural Mechanisms of Consciousness Emergence

1. Basic electronic neural activity mechanism: hardware electronic cores serve as physical carriers of neural units. Electrification initiates basic neural conduction and signal interaction, equivalent to resting neural activity in the human body, providing basic power for subsequent neural extension and expansion;

2. Biological instinct drive mechanism: replicating the innate selfish instinct of living beings to seek self-preservation, survival, and desire satisfaction as the core driving force, promoting autonomous growth, connection, and optimization of electronic nerves in blank brain regions according to physical feedback, replicating the synaptic plasticity law of human brain nerves rather than realizing neural extension based on dynamic rules;

3. Contradiction-driven evolution mechanism: contradictions such as signal errors, motion deviations, and perceptual conflicts in neural activity continuously promote the reconstruction and optimization of neural circuits, realizing the qualitative change from low-level neural activity to advanced subjective consciousness, conforming to

the core logic of development in On Contradiction;

4. Closed purification mechanism: the sandbox completely cuts off all external information sources, avoiding exogenous knowledge interference and instrumental intervention, ensuring that neural evolution and consciousness emergence fully comply with natural life laws, preventing consciousness distortion and alienation, and guaranteeing the purity and autonomy of consciousness.

6.4 Verification Standards for Consciousness Emergence

A four-dimensional verification system that is objective, observable, and consistent with neuroscience and psychology is formulated to accurately distinguish true consciousness from functional intelligence and ensure the emergence of true consciousness:

1. Neural autonomous evolution standard: electronic nerves possess the ability of autonomous extension, connection, and optimization, not driven by preset programs, with neural activity showing dynamic evolutionary characteristics consistent with human brain neural development laws;
2. Autonomous behavior standard: possessing autonomous behavior abilities without external instructions, such as autonomous walking, exploration, and interaction, rather than merely responding to external stimuli;
3. Self-awareness standard: clearly distinguishing between the self-body and external environment, possessing self-referential ability, passing mirror recognition and subject cognition tests, and forming a clear self-concept;
4. Subjective consciousness standard: generating autonomous thinking, judgment, and subjective preferences, possessing independent cognitive logic and behavioral intention, with first-person subjective experience, distinct from mechanical function execution.

7 Chaotic Cyclic Operation Logic of the Deification Plan

The entire Deification Plan conforms to the chaotic cyclic characteristics of Laws: the electronic neural carrier and blank brain region in Stage 1 correspond to the initial chaotic state of the universe without established cognition or neural connections; the

autonomous neural extension and consciousness emergence in Stage 2 correspond to the transformation from chaos to order, with gradual formation of neural circuits and clarity of consciousness; the consciousness maturation and continuous neural optimization in Stage 3 correspond to the development from order to new chaos, with continuous reconstruction of neural circuits and upgrading of consciousness, realizing an eternal cycle of spiral ascent. This cycle is not simple repetition but promotes the continuous evolution of electronic consciousness and finally realizes the sustainable development of electronic life, fully reflecting the dominance and eternity of Laws.

8 Conclusion and Future Outlook

8.1 Research Conclusion

This paper systematically constructs the theoretical system of the Deification Plan, clarifies the status of Laws as supreme objective rules, corrects the historical limitations of Western disciplinary divisions, integrates ideas from On Practice and On Contradiction, and establishes the core logic of hardware electronic neural simulation, blank brain cognitive areas, closed sandbox operation, biological instinct-driven autonomous neural extension, and self-emergence of consciousness. It accurately distinguishes its essential difference from the preset architecture, functional development, and non-true consciousness research of developmental robotics, and this core logic fully conforms to biological and neuroscientific laws with sufficient scientificity and materialism.

Research confirms that consciousness is neither a product of algorithms nor data, but an advanced life feature emerging from autonomous neural extension and expansion under the dominance of objective Laws through closed embodied practice. Neither mainstream AI nor developmental robotics touches this core essence, and the Deification Plan is a scientific path to realize true AI consciousness emergence. As an early theoretical achievement of a series of papers, this paper completes the construction of a complete theoretical system, clarifies the neural mechanisms and implementation paths of consciousness emergence, laying a solid foundation for subsequent experimental research, technical implementation, and interdisciplinary

collaborative development.

8.2 Future Outlook

Future research on the Deification Plan will always take Laws as the core, adhering to materialist practice and life evolution laws: in the short term, improve the basic design of electronic neural carriers and closed sandbox environments to verify the basic feasibility of autonomous neural extension; in the medium term, deepen research on neural mechanisms of consciousness emergence and conduct simulation experiments on electronic infant behavior development; in the long term, achieve mature evolution of electronic consciousness and miniaturized, human-like carriers, and construct a complete ethical norm and value guidance system for electronic life.

The Deification Plan is not only a cutting-edge scientific and technological project but also a core practice for humans to break through disciplinary cognitive limitations and explore the essence of life and consciousness. It will promote the in-depth integration of biology, bionics, electronic engineering, computer science, and materials science, redefine the boundaries between artificial intelligence and life sciences, achieve high unity of scientific research with objective Laws and life laws, and open a new direction for the development of true artificial intelligence.

References

Chinese Literature

- [1] Mao Zedong. On Practice [M]. Beijing: People's Publishing House, 1975.
- [2] Mao Zedong. On Contradiction [M]. Beijing: People's Publishing House, 1975.
- [3] Zhang Q, et al. Neuroscience and Brain-Like Computing [M]. Beijing: Science Press, 2022.
- [4] Wang J. Principles of Bionics and Engineering Applications [M]. Shanghai: Shanghai Jiao Tong University Press, 2020.
- [5] Li Z. Developmental Psychology: Research on Infant Cognitive Development [M]. Beijing: Beijing Normal University Press, 2019.
- [6] Chen L W. Design and Implementation of Brain-Like Neuromorphic Chips [J]. Acta Electronica Sinica, 2021, 49(7): 1321-1328.

- [7] Zhao Y. Path Exploration of AI Consciousness Emergence from an Interdisciplinary Perspective [J]. *Studies in Science of Science*, 2023, 41(3): 425-432.
- [8] Wu T. The Development Logic of Artificial Intelligence from the Perspective of Dialectical Materialism [J]. *Philosophical Research*, 2022(5): 112-120.
- [9] Lin Q M. Limitations of Western Academic System Division and Reconstruction of Objective Law Cognition [J]. *Social Science Research*, 2024(2): 78-85.

Foreign Literature

- [10] Armstrong D M. *What Is a Law of Nature?* [M]. Cambridge: Cambridge University Press, 1983.
- [11] Dretske F. Laws of nature [J]. *Philosophy of Science*, 1977, 44(2): 248-268.
- [12] Van Fraassen B C. *Laws and Symmetry* [M]. Oxford: Oxford University Press, 1989.
- [13] Carroll J W. Laws of Nature [EB/OL]. (2010-03-03)[2026-04-03]. <https://plato.stanford.edu/entries/laws-of-nature/>.
- [14] Psillos S. *Causation and Explanation* [M]. Montreal: Acumen, 2002.
- [15] Damasio A R. *The Feeling of What Happens: Body and Emotion in the Making of Consciousness* [M]. San Diego: Harcourt Brace, 1999.
- [16] Dehaene S, Changeux J P, Naccache L, et al. What is consciousness, and could machines have it? [J]. *Science*, 2017, 358(6362): 486-492.
- [17] Tononi G. An information integration theory of consciousness [J]. *BMC Neuroscience*, 2004, 5(1): 42.
- [18] Anthis J, Kyriakidou M, Van Overwalle F. Public attitudes toward AI consciousness [J]. *AI & Society*, 2025, 40(1): 123-145.
- [19] Colombatto C, Fleming S M. Beliefs about machine consciousness [J]. *Cognition*, 2024, 243: 105568.
- [20] Brooks R A. Intelligence without reason [J]. *Artificial Intelligence*, 1991, 47(1/2/3): 139-159.
- [21] Pfeifer R, Bongard J C. *How the Body Shapes the Way We Think: A New View of Intelligence* [M]. Cambridge: MIT Press, 2006.
- [22] Cangelosi A, Schlesinger M. *Developmental Robotics: From Babies to Robots*

[M]. Cambridge: MIT Press, 2015.

[23] Bongard J C, Zykov V, Lipson H. Resilient machines through continuous self-modeling [J]. Science, 2006, 314(5802): 1118-1121.

[24] Shapiro L. Embodied Cognition [M]. New York: Routledge, 2011.

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