

Original Research Article

A systematic thinking model for novel plot logical deduction and dramatized logical deduction

Siyuan Chen

1304281989****0044, Tianjin, 300450, China

Abstract: This paper constructs a systematic thinking model for novel plot logical deduction and dramatized logical deduction, realizing high-order coupling through multi-layer oscillation between plot and logical reasoning. Rooted in object texts, the model completes potential energy mapping, establishes a network of plot hierarchies and connotation extension, excavates implicit logical clues, and formulates rules including functional coupling and encryption mechanisms. It develops practical templates for curve trend reasoning, builds a logical interlocking network via multi-code coupling, integrates cross-disciplinary elements to generate hyperbolic resonance, and creates distinctive deduction paradigms such as the Ink Offensive and the Stratagem Within Stratagems. Compliant with the inherent logic and causality of all things, the model fosters divergent, convergent and integrative thinking capabilities. It offers a systematic deduction framework for cross-domain practices including artistic creation and examination question design, and taps inspirations for implicit plot logic in relevant creation and research.

Keywords: plot logical deduction; dramatized logical deduction; systematic thinking model; hyperbolic resonance

1. Introduction

The integrated deduction of plot and logic constitutes the core thinking kernel of cross-domain practices such as textual creation and trend analysis. Their in-depth coupling can unlock implicit sources of inspiration and sort out inherent developmental laws for various creative and research activities. Centered on "Chinese-style modernization", the narrative system of Chinese-style modernization is a knowledge system and expression framework designed to scientifically reflect the theoretical self-consistency, practical verification and value integration of Chinese-style modernization. It serves as the symbolic representation and value interpretation paradigm for the theoretical and practical advancement of Chinese-style modernization, embodying the practical intention of advancing human modernization through disseminating the value concepts of Chinese-style modernization^[1]. Existing relevant deduction methods are mostly unidimensional and linear, incapable of high-order linkage between plot and logic, mining implicit logic, or dramatic extension. Based on the law of multi-layer oscillatory coupling of plot and logic, this study establishes a systematic thinking model, explores applicable approaches, constructs templates and paradigms, and provides practical support.

2. Existing deficiencies and core demands of novel plot logical deduction and dramatized logical deduction

In the practice of novel plot logical deduction and dramatized logical deduction, deduction frameworks are loosely structured, with plot and logical reasoning isolated from one another and lacking profound internal coordination. Researchers fail to systematically grasp the law of multi-layer high-order oscillatory coupling between the two. No scientific mechanisms or specific pathways exist for excavating implicit plot logic, while the integration of cross-disciplinary elements remains superficial without standardized supporting tools. Furthermore, no universal practical templates are available for current deduction methods, making it difficult to extract valid clues from massive heterogeneous texts and concrete scenarios. Dramatized extension and secondary innovation of plot logic cannot be achieved, and research outputs lack reusability and extensibility. This field urgently requires clarification of the core correlation between plot and logic, the construction of a theoretical and practical thinking system, standardized frameworks and

cross-domain coupling mechanisms, and the formulation of deduction rules adaptable to diverse scenarios to advance the systematization and innovation of deduction systems.

3. Construction pathways of the systematic thinking model for novel plot logical deduction and dramatized logical deduction

3.1. Establishing basic potential energy and correlation networks for plot logical deduction

3.1.1. Constructing potential energy mapping and plot hierarchy systems for object texts

Based on diverse known object texts (cross-domain materials including literary creation sources and examination question materials), comprehensive potential energy mapping is conducted to accurately dissect core connotations, expressive dimensions and implicit values of texts, alongside inherent causal connections and logical foreshadowing within texts. Drawing on dissection outcomes, a multi-level plot framework with bypass supplementary threads and branch plot extensions is built to overcome the limitations of unidimensional plotting. Taking plot hierarchies as the backbone, a connotation extension network with analogous plot logical features is established to deeply bind textual elements, plot nodes and logical clues. This framework lays a solid textual and hierarchical foundation for subsequent deduction, furnishes clear objective support and hierarchical guidance for plot expansion directions and implicit logic excavation, guarantees the systematicity, relevance and integrity of the entire basic deduction architecture, and satisfies the core requirement of multi-layer oscillatory coupling embedded in the model.

3.1.2. Excavating implicit logical deduction clues and establishing a fundamental rule system

Building on the aforementioned potential energy mapping and plot hierarchy system of object texts, concealed logical clues are precisely traced throughout the full plot deduction process, with focused excavation of implicit correlations and causal foreshadowing within the textual connotation extension network. All sorted clues are categorized, collected and dynamically adjusted. In light of varying characteristics of different clues, a force combination and dual cultivation mechanism compatible with deduction demands is established through a combination of manual intervention and systematic adaptation. On this basis, an integrated rule system covering functional coupling, logical encryption and clue transformation models is formulated, converting scattered implicit logical clues into implementable, reusable and extensible basic rules. This achieves preliminary coordination between plot deduction and logical reasoning, renders the rule system a core medium linking plot hierarchies and logical deduction, and lays a robust logical foundation for the development of core practical templates and high-order coupling.

3.2. Developing core practical templates and a multi-dimensional logical transformation system

3.2.1. Developing a core template for extended reasoning based on wave curve trend charts

Built upon the preceding fundamental rule system, this study centers on the extended reasoning logic of wave curve trend charts and develops exclusive practical templates tailored to plot logical deduction, resolving the lack of standardized tools in existing deduction practices. Taking daily, weekly and monthly K-line charts as concrete carriers, the template performs progressive operations including unidirectional extension, forward fitting and backward tracing according to features of charts across different cycles, precisely capturing inherent logical correlations embedded in curve fluctuations. Systematic data processing is carried out with general fitting formula expressions, standardized statistical libraries are compiled by integrating multiple chart datasets, and tangible curve fluctuation trends are converted into reusable general functional relationships for plot logical evolution. The template enables efficient connection between curve trends and plot logic, featuring replicability, extensibility and multi-scenario adaptability, and delivers core tool support for constructing the subsequent logical interlocking network.

3.2.2. Constructing a logical interlocking network via series-parallel connection of multi-code strings

With the wave curve trend chart deduction template as the foundation, all known data and information are collected and sorted to establish a hyperbolic linear algebra system, laying groundwork for multi-element logical coupling. This system supports bidirectional compilation and precise conversion of numerical data, logical rules and classical Chinese poetry, satisfies the core hyperbolic resonance requirement of the model, and completes preliminary integration of liberal arts and science elements. On this basis, in-depth logical resonance is formed between the algebraic system and classical poetry. Three core codes — Data, functions and poetry — Are systematically coupled in series and parallel to build a multi-dimensional, three-dimensional logical interlocking network. Precise indexing and sorting of

network dimensional hierarchies break barriers between elements of different disciplines, realize profound integration of numerical values, logic and texts, further enrich the functionality of deduction templates, endow them with multi-element linkage and interwoven multi-logic characteristics, and provide core support for subsequent cross-domain material integration and distinctive deduction paradigm construction. See **Figure 1**:

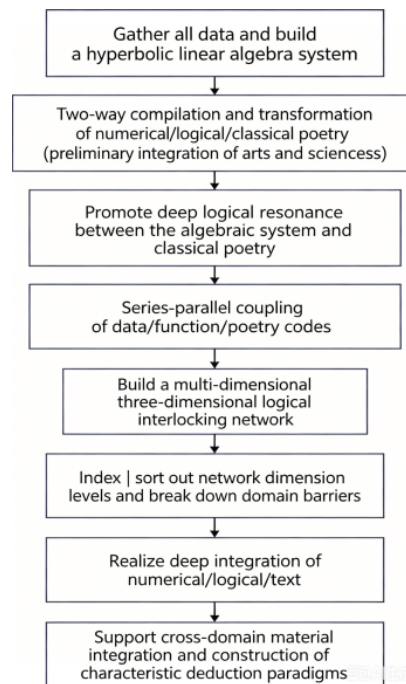


Figure 1. Construction process of logical interlocking network via series-parallel connection of multi-code strings.

3.3. Realizing cross-disciplinary element integration and multi-dimensional construction of deduction paradigms

3.3.1. Facilitating hyperbolic resonance and coupling integration of cross-domain materials

The prosperity of computer and network technologies underpins the technological and cultural development of the metaverse; without remarkable breakthroughs in these two fields, subsequent advancements in information control, sensor guidance, artificial intelligence, visual transmission and other technologies would be impossible. Computers serve as the basic platform for modern science and technology, the Internet acts as the fast track for its development, and the metaverse emerges naturally as a theoretical cognition after the maturity of modern digital technologies. The metaverse cannot come into being without digital network technologies^[3]. This research integrates cross-domain materials including ancient and modern famous paintings, landscape scrolls and dictionary texts, extracts implicit plots from comic strips for secondary superimposition and extension, and summarizes natural logical plots from natural rhythms. Massive unrelated texts are utilized to formulate rules for implicit plot logical deduction, enabling hyperbolic resonance coupling between diverse materials and follow-up themes. Cross-series and parallel cross-integration generates highly elastic rule groups with calibrated parameters, completing the logical plotting transformation of cross-domain materials.

3.3.2. Constructing distinctive deduction paradigms and refining parameter calibration mechanisms

Upon the hyperbolic resonance integration of cross-disciplinary elements, diverse contents such as staff notation, mathematical vectors, chess tactics and military stratagems are integrated with corresponding logical plots, while deduction formulas are archived and interpretation rules formulated. Absorbing fundamental logical deduction ideas from nuclear magnetic resonance and electromagnetic induction, distinctive plot logical deduction paradigms including the Ink Offensive, Silent Assault and Stratagem Within Stratagems are created. In accordance with the traits of each paradigm and practical application scenarios, refined calibration is implemented for the evolution of general liberal arts-science factors and the numerical system of lattice array spacing within the network, ensuring accurate implementation and extension of deduction paradigms, and further improving the scenario adaptability and practical flexibility of the entire systematic thinking model.

4. Practical value and thinking empowerment of the systematic thinking model for novel plot logical deduction and dramatized logical deduction

4.1. Professional deduction support for diverse practical scenarios

The systematic thinking model delivers systematic deduction support for multiple practical scenarios including artistic creation, examination question design and trend analysis, freeing creation and research in relevant fields from single empirical exploration modes. For artistic creation, the model excavates implicit plot logic from ancient and modern artworks and natural rhythms for secondary superimposition and extension, furnishing inspirational backing for poetry, painting, drama and other creative works to achieve dual innovation in plot setting and artistic expression. For examination question design, the model identifies plot logical deduction laws from historical examination data and constructs logical semantic correlation networks, offering scientific support for developing new question types and analyzing proposition trends. For trend analysis, curve trend reasoning and the multi-code coupled logical interlocking network enhance the logicity and systematicity of data analysis, boosting the accuracy and rigor of research judgments.

4.2. Multi-dimensional cultivation and in-depth empowerment of thinking capabilities

The construction and application of this systematic model enable multi-faceted cultivation of thinking capabilities related to plot logic, breaking the shackles of monolithic, linear thinking and guiding the transformation of thought patterns toward diversification, non-linearity and cross-disciplinary integration. Centered on multi-layer high-order oscillatory coupling between plot and logic, the model gradually cultivates capabilities for excavating implicit logic and plots throughout deduction practice, facilitating profound coordination between logical analysis and plot construction thinking ^[4]. Additionally, integrating the core thinking frameworks of mathematics, physics, literature, art, military strategy and other disciplines, the model continuously strengthens free divergent thinking and convergent integrative thinking in its application process, elevates proficiency in integrating and utilizing cross-disciplinary elements, renders plot logical deduction thinking more systematic and flexible, and realizes a leap from superficial thinking application to in-depth thinking empowerment.

4.3. Construction of a systematic framework for cross-disciplinary innovative development

The model establishes a plot logical deduction framework integrating liberal arts and sciences and enabling cross-disciplinary linkage, dismantling disciplinary barriers between literary art and mathematical science, achieving hyperbolic resonance coupling of logic and plot materials from different fields, and providing a standardized systematic reference for cross-disciplinary innovative development. The model converts various heterogeneous texts and concrete scenarios into deducible plot logic samples, formulates reusable and extensible deduction rules and parameter calibration mechanisms, and delivers clear methodological guidance for cross-disciplinary integration of plot logic. Moreover, the model offers an entirely new thinking perspective for subsequent research in related fields, steers research on plot logical deduction toward higher-order and systematic advancement, fosters an ecosystem of cross-disciplinary innovative research, and injects sustained intellectual momentum into the long-term development of relevant disciplines.

5. Conclusion

This study systematically investigates the systematic thinking model for novel plot logical deduction and dramatized logical deduction, sorts out existing problems and core demands in deduction practices, and establishes a complete implementation pathway spanning basic network construction, core template development and cross-disciplinary paradigm integration, forming a deduction system with profound theoretical depth and practical value. Centered on multi-layer high-order oscillatory coupling between plot and logic, the model integrates cross-disciplinary elements to build a hyperbolic resonance mechanism, develops standardized practical templates and distinctive deduction paradigms such as the Ink Offensive, delivers professional support for diverse scenarios, and cultivates multi-dimensional thinking capabilities. Breaking disciplinary and mental barriers, the model's practical application will drive innovative development in plot logical deduction practices, furnish solid systematic support and novel ideas for relevant research, and facilitate the in-depth penetration and implementation of deductive thinking across all disciplines.

References

- [1] Zhang Guoqi, Lin Yekun. The Construction of the Narrative System of Chinese-Style Modernization: Contemporary Purport, Logical Thinking and Practical Dimensions[J]. *Socialist Studies*, 2023(03): 1-8.
- [2] Shu Qiang. Narrative Logic, Narrative Art and Profound Implication of the Plot "Fengjie's Jealous Outburst" [J]. *Journal of Linyi University*, 2023, 45(03): 82-90.
- [3] Cheng Qiaoming. Logical Thinking and Cultural Implications of the Emergence of Metaverse Theory[J]. *Studies on Cultural Soft Power*, 2022, 7(02): 73-84.
- [4] Zhang Xiaolong, Tian Ruilan, Yang Xiaohui. Research on Logical Thinking Cultivation and Innovation Awareness Improvement Based on Classical Theoretical Mechanics Content[J]. *Theory and Practice of Innovation and Entrepreneurship*, 2022, 5(05): 165-167+184.