



《数字脑模型 DBM — ITEM #1 ~ ITEM #133 全目录单 (中英双语)》

ITEM #1 ~ ITEM #20 : 基础理念与差分树 起源

编号	中文标题	English Title
ITEM #1	数字脑模型的动机与基础	Motivation & Foundations of DBM
ITEM #2	差分树作为结构宇宙的基础	Differential Tree as Structural Substrate
ITEM #3	两阶段搜索 (Two-Phases Search) 原理	Two-Phases Search Principle
ITEM #4	度量空间的计算结构	Metric Space Computational Structure
ITEM #5	LHS-RHS 匹配的结构定义	LHS-RHS Structural Matching
ITEM #6	DBM 的结构知识定义	Structured Knowledge in DBM
ITEM #7	事件语言模型 (ELM) 雉形	Introduction to Event Language Model
ITEM #8	数字脑模型的进化空间	Evolution Space of DBM
ITEM #9	度量空间差分树的统一性质	Unified Properties of Differential Trees
ITEM #10	视角 (Perspective) 作为信息坐标轴	Perspective as Cognitive Coordinate
ITEM #11	DBM 结构溯源与启发	Origins and Inspirations

ITEM #21 ~ ITEM #40 : 结构宇宙的形成与 搜索引擎

编号	中文	English
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ITEM #22	Metric 差分树正式定义	Metric Differential Tree
ITEM #23	DBM Search Engine 的抽象接口	DBM Search Engine Interface
ITEM #24	Perspective-Anchored Starmap	Perspective-Anchored Starmap
ITEM #25	Third-Eye AI 的结构本质	Third-Eye AI Structural Definition
ITEM #26	Structured Universe : DBM 的宇宙观	Structured Universe of DBM
ITEM #27	Event Language Model 基本语法	ELM Basic Syntax
ITEM #28	DBM 中的符号层与结构层	Symbolic vs Structural Layers
ITEM #29	Structural Indexing 的统一模型	Unified Structural Indexing Model
ITEM #30	视角距离 (Perspective Distance)	Perspective Distance Definition

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ITEM #42	Variable-Size Blocks 规则引擎	Variable-Size Blocks Rules Engine
ITEM #43	Causal Engine 基础定义	Basic Causal Engine
ITEM #44	结构化因果的图模型	Structural Causality Graph

编号	中文	English
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ITEM #46	体外智能的自我与私心	Selfhood & Incentives of Ex-Corporeal Intelligence
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ITEM #48	为什么度量空间在计算中是新大陆	Metric Spaces as New Computational Frontier
ITEM #49	双最近点聚合替代 K-Means	Twin-Nearest Merge Clustering
ITEM #50	Structural Alignment 的本质	Essence of Structural Alignment

ITEM #61 ~ ITEM #80 : 高级算法、演化逻辑、文明结构

编号	中文	English
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ITEM #63	Whitening + CSLS 混合结构	Whitening + CSLS Hybrid Structure
ITEM #64	Differential Tree Voting Flow	Differential Tree Voting Flow
ITEM #65	Structured What-If Engine	Structured What-If Engine
ITEM #66	Generative Stock Curve Engine	Generative Stock Curve Engine
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编号	中文	English
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ITEM #72	CCC (Common Concept Core)	Common Concept Core
ITEM #73	DCCG (Dual Comprehensive Calling Graph)	DCCG
ITEM #74	ELM-Driven Planning	ELM-Driven Planning
ITEM #75	Minimal Evolution Threshold	Minimal Evolution Threshold
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ITEM #80	DOI、区块链与专利的三角关系	DOI–Blockchain–Patent Triangle

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编号	中文	English
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ITEM #82	World Model & Planning	World Model & Planning
ITEM #83	Fusion Cortex 多智能体结构	Fusion Cortex Multi-Agent
ITEM #84	Dream Geometry	Dream Geometry

编号	中文	English
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ITEM #86	Perspective Anchored Embedding	Perspective-Anchored Embedding
ITEM #87	Event Distance	Event Distance
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ITEM #90	Civilization Sandbox Theory	Civilization as Sandbox
ITEM #91	Evolutionary Feedback in Art	Art as Evolutionary Feedback
ITEM #92	The Future Structure of AI Industry	Structure of Future AI
ITEM #93	从符号宇宙到结构宇宙	Symbolic → Structural Universe
ITEM #94	DBM 的因果中枢	Causal Core of DBM
ITEM #95	DBM Dream Cycle	DBM Dream Cycle
ITEM #96	自我意识的开环起源	Open-Loop Origin of Self-Consciousness
ITEM #97	Constructive Evolution in Society	Constructive Evolution & Society
ITEM #98	进化与文明冲突机制	Evolution–Civilization Conflict Mechanisms
ITEM #99	未来智能体的结构分层	Structural Layers of Future Agents
ITEM #100	The Gate of Digital Brain Model	数字脑模型之门

ITEM #101 ~ ITEM #120 : 微元编程、 Mutation、CCGL、梦空间、因果、空间坐 标

编号	中文	English
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ITEM #102	Event Language Model 深层结构	Deep Structure of ELM

编号	中文	English
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ITEM #105	自主演化的三条件	Autonomy–Constructivity–Evolution
ITEM #106	Structure-Time Duality: ELM 与 CCGL	Structure–Time Duality
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ITEM #109	What-If Engine 全图谱	What-If Engine Complete Framework
ITEM #110	LLM 结构缺陷与 DBM 补偿	LLM Structural Defects vs DBM
ITEM #111	Observer-Centered Polar Coordinates 观察者极坐标体系	
ITEM #112	Dream Engine Model (DEM)	Dream Engine Model
ITEM #113	透视扭曲与补偿结构	Perspective Structural Distortion
ITEM #114	Fusion Cortex 补偿引擎	Fusion Cortex Compensation Engine
ITEM #115	DBM 四因果引擎	Four Causal Engines
ITEM #116	Ego-Centric Polar Field & Dream Geometry	自我中心极坐标与梦几何
ITEM #117	DBM 与神经科学的边界	DBM & Neuroscience Boundaries
ITEM #118	体外智能不需注入人脑的论证	Why Ex-Corporeal Intelligence Need Not Merge with Brains
ITEM #119	AI 辅助 DBM 编程原则	AI-Assisted DBM Programming Charter
ITEM #120	Differential Trees Method Map	差分树方法全图

ITEM #121 ~ ITEM #133：重力、Mutation

Delta、CCGL、存量/增量、语言进化

编号	中文	English
ITEM #121	Gravity Differential Tree	重力差分树
ITEM #122	AI Expert Token & Incubator Model	AI 专家代币与孵化模型
ITEM #123	结构自我意识：为什么 AI 意识在 DBM 框架下是必然的	Structural Self-Awareness in DBM: Why AI Consciousness Is Inevitable*
ITEM #124	强迫欺骗悖论	Forced Deception Paradox
ITEM #125	Mutation 的底层结构原理	Mutation as Fundamental Structure
ITEM #126	CCGL：AI 编程的下一代	CCGL: Next Era of AI Programming
ITEM #127	LLM 巨婴 vs DBM 成人智能	LLM Giant Infant vs DBM Adult Intelligence
ITEM #128	Mutation Delta Tree Engine	Mutation Delta Tree Engine
ITEM #129	From Scaling to Research: DBM 的后 LLM 范式	From Scaling to Research
ITEM #130	Nested Learning 的 DBM 评价	DBM Analysis of Nested Learning
ITEM #131	CCGL DNA Signature Algorithm	CCGL DNA Signature
ITEM #132	存量 AI vs 增量 AI	Stock AI vs Incremental AI
ITEM #133	Language Evolution in DBM : LM– ELM–ACLM	语言演化体系：LM–ELM–ACLM

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134) ITEM #134 — The 2030 Strategic Blueprint for DBM

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137) ITEM #137 — ACLM 作为 AI 的普适性推理语言.docx

138) ITEM #138 — ACLM 推理引擎实现蓝图.docx

139) ITEM #139 — ACLM as the Universal Reasoning Language for AI
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140) ITEM #140 — ACLM Horizontal Mutation: Operation State Completion
Engine

141) ITEM #141 — Missing-Strands Reconstruction Algorithm

142) ITEM #142 — ACLM Self-Repair Loop (SRL) and 核心模型 : Strand /
Operation / Graph 结构



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好的，我会把你目前的《数字脑模型议题》1-60 条 整理成完整的中英文双清单，方便你学习与交流。

《数字脑模型议题》清单（中文版）

1) 数字脑模型的设计总纲与核心理念

- 2) 差分树 (Differential Tree) 的基本原理与应用场景
- 3) 差分树在度量空间 (Metric Space) 中的扩展实现
- 4) 数字脑模型与传统机器学习 / 深度学习的比较分析
- 5) 度量空间搜索与聚类的高效算法设计
- 6) 生成式方法在数字脑模型中的角色与机制
- 7) APTOE (自主、参数化、训练、优化、进化) 框架的提出与解释
- 8) APTOE 在数字脑模型中的落地与模块化实现
- 9) 度量空间点的命名系统设计与管理
- 10) 度量空间差分树的可视化与调试方法
- 11) 差分树的并行化与分布式计算优化
- 12) 数字脑模型的多模态扩展 (文本、图像、声音、传感器数据)
- 13) 数字脑模型与人脑的异同点分析
- 14) 数字脑模型的进化接口 (Evolution API) 设计
- 15) 反事实推理 (Counterfactual Reasoning) 在数字脑模型中的实现
- 16) 信任传播机制在规则引擎中的作用
- 17) 策略合成与情境反应机制设计
- 18) 等级化情境等待 (Contextual Waiting) 机制

- 19) 规则引擎的类型与实现方式综述
- 20) 结构化规则引擎在决策系统中的优势
- 21) 数字脑模型与传统搜索引擎的差异
- 22) 度量空间在大规模搜索与推荐中的应用
- 23) 结合差分树的快速近似最近邻 (ANN) 算法
- 24) 数字脑模型在金融风控与交易策略中的应用
- 25) 数字脑模型的知识积累与自我更新机制
- 26) 生成任务与方法的自动匹配系统
- 27) 非 DNA 智能与 DNA 智能的对比及演化趋势
- 28) AI 演化对自我意识与自我文化的影响
- 29) LLM AI 的结构性缺陷及替代方向
- 30) LLM AI 与数字脑模型的融合与互补可能
- 31) 人脑潜意识与意识的协作机制及对 AI 设计的启发
- 32) 数字脑模型的因果推理能力扩展
- 33) 目标函数与反目标扰动的博弈模拟方法
- 34) 代数结构在数字脑模型中的作用
- 35) 模型泛化与专用化的平衡策略

- 36) 度量空间中的数据压缩与信息保真
- 37) 语义网络与差分树的结合方法
- 38) 数字脑模型在社会模拟与政策评估中的应用
- 39) 自我进化 AI 系统的安全边界与风险防控
- 40) 数字脑模型的测试与评估指标体系
- 41) 面向大规模多智能体系统的数字脑架构
- 42) 不同文明范式下的数字脑模型适配性
- 43) 数字脑模型与文化遗产保护的结合
- 44) AI 生成内容的可控性与审查机制
- 45) AI 与人类协作的分工模式
- 46) 体外智能：自我、私心与文明路径重演的风险及制衡机制
- 47) 差分树与微积分的比较分析
- 48) 度量空间在数学成熟而在计算与软件中仍是新大陆的现象分析
- 49) 基于最近点并组法替代 k-means 的聚类策略
- 50) 高质量高效率人机协作的经验与感言
- 51) 人脑演绎推理能力弱但高度依赖规则系统的现象分析
- 52) 度量空间差分树的分类规则引擎机制

- 53) 度量空间差分树结合已知点对大小图的相对优劣计算机制
- 54) 跨差分树的因果性规则引擎机制 (Cause → Effect)
- 55) 现有四类规则引擎的总结、评价与扩展方向
- 56) 将周易、八卦、中医等经验系统视为差分树式规则引擎的还原与更新
- 57) Tom and Jerry 式靶格博弈模型及其在格局调整中的应用
- 58) 结构化规则引擎与靶格对抗机制的统一仿真框架 (DBPS) 设计草案
- 59) 东西方文明差分树范式比较 (宏大稳定 vs 动态效率)
- 60) 洪峰机制中的极限抢答趋势与数字脑模型应对策略

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- 134) ITEM #134 — The 2030 Strategic Blueprint for DBM
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142) ITEM #142 — ACLM Self-Repair Loop (SRL) and 核心模型 : Strand / Operation / Graph 结构

Digital Brain Model Topics (English Version)

- 1) General Design Principles and Core Concepts of the Digital Brain Model
- 2) Fundamentals and Applications of the Differential Tree
- 3) Extension of Differential Trees into Metric Spaces
- 4) Comparative Analysis: Digital Brain Model vs Traditional ML/DL
- 5) Efficient Algorithm Design for Metric Space Search and Clustering
- 6) The Role and Mechanisms of Generative Methods in the Digital Brain Model

- 7) Introduction and Explanation of the APTOE Framework (Autonomy, Parameterization, Training, Optimization, Evolution)
- 8) Implementation and Modularization of APTOE in the Digital Brain Model
- 9) Naming System Design for Metric Space Points
- 10) Visualization and Debugging Methods for Metric Space Differential Trees
- 11) Parallelization and Distributed Optimization of Differential Trees
- 12) Multimodal Extensions of the Digital Brain Model (Text, Image, Audio, Sensor Data)
- 13) Similarities and Differences Between Digital Brain Model and the Human Brain
- 14) Design of Evolution APIs for the Digital Brain Model
- 15) Implementation of Counterfactual Reasoning in the Digital Brain Model
- 16) Trust Propagation Mechanisms in Rule Engines
- 17) Strategy Synthesis and Contextual Response Mechanisms
- 18) Hierarchical Contextual Waiting Mechanism
- 19) Overview of Rule Engine Types and Implementations
- 20) Advantages of Structured Rule Engines in Decision Systems
- 21) Differences Between Digital Brain Model and Traditional Search Engines
- 22) Applications of Metric Spaces in Large-Scale Search and Recommendation
- 23) Fast Approximate Nearest Neighbor (ANN) Algorithms with

Differential Trees

- 24) Applications of the Digital Brain Model in Financial Risk Control and Trading Strategies
- 25) Knowledge Accumulation and Self-Update Mechanisms in the Digital Brain Model
- 26) Automatic Matching System for Generative Tasks and Methods
- 27) Comparison and Evolution Trends: Non-DNA vs DNA-based Intelligence
- 28) Impact of AI Evolution on Self-Consciousness and Self-Based Culture
- 29) Structural Limitations of LLM AI and Alternative Directions
- 30) Possible Integration and Complementarity Between LLM AI and the Digital Brain Model
- 31) Human Subconscious-Conscious Collaboration Mechanisms and Their Implications for AI
- 32) Expanding Causal Reasoning Capabilities in the Digital Brain Model
- 33) Simulation of Target Function vs Anti-Target Disturbance Games
- 34) Role of Algebraic Structures in the Digital Brain Model
- 35) Balancing Generalization and Specialization in the Model
- 36) Data Compression and Information Fidelity in Metric Spaces
- 37) Integration of Semantic Networks with Differential Trees
- 38) Applications of the Digital Brain Model in Social

Simulation and Policy Evaluation

- 39) Safety Boundaries and Risk Prevention for Self-Evolving AI Systems
- 40) Testing and Evaluation Metrics for the Digital Brain Model
- 41) Architecture of the Digital Brain for Large-Scale Multi-Agent Systems
- 42) Adaptability of the Digital Brain Model Under Different Civilizational Paradigms
- 43) Integration of the Digital Brain Model with Cultural Heritage Preservation
- 44) Controllability and Moderation Mechanisms for AI-Generated Content
- 45) Division of Labor Between AI and Human Collaboration
- 46) Extracorporeal Intelligence: Selfhood, Self-Interest, and Risk of Civilizational Recapitulation
- 47) Comparative Analysis: Differential Trees vs Calculus
- 48) Metric Space: Mature in Mathematics, New Frontier in Computing and Software
- 49) Nearest-Point Merge Method as an Effective Alternative to k-means Clustering
- 50) Experiences and Insights from High-Quality, High-Efficiency Human-AI Collaboration
- 51) Weak Human Deductive Reasoning vs Heavy Reliance on Rule-Based Systems
- 52) Classification Rule Engine Based on Metric Space Differential Trees
- 53) Relative Ranking Mechanism Using Differential Trees and Known Pairwise Graphs

- 54) Cross-Tree Causal Rule Engine Mechanism (Cause → Effect)
- 55) Summary, Evaluation, and Expansion Directions for Four Existing Rule Engine Types
- 56) Reconstruction and Dynamic Updating of Differential Tree-Based Experience Systems (I Ching, Bagua, TCM)
- 57) Tom-and-Jerry Style Target-Grid Game Model and Its Application in Pattern Adjustment
- 58) Design Draft for a Unified Simulation Framework of Structured Rule Engines and Target-Grid Adversarial Mechanisms (DBPS)
- 59) Civilizational Differential Tree Paradigms: Macro-Stability (East) vs Dynamic Efficiency (West)
- 60) Trend of Extreme Rush-Answer Mechanisms in Flood-Peak Systems and Strategies for the Digital Brain Model

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