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Mathematical & Philosophical Guide

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Text	Text	Text
XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXX	“ ” “ ” “ ” XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX “ ”	XXXXXXXXXXXX $\Omega = \{X, \dot{X}\}$ XXXXXXXXXXXX $\text{\text{[]}} \equiv \dot{X} \neq 0$ “ ” / “ ” $\hat{K}$ XXXXXXXXXXXX $\text{\text{[]}} \equiv \dot{X} = 0$ “ ” / “ ” $\hat{V}$ XXXXXXXXXXXX $\mathcal{H}$ $= \hat{K} + \hat{V}$
XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXX	“ ” “ ” “ ” “ ” XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX “ ” “ ” “ ” “ ” XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX $\theta(t) = \omega t$ XXXXXXXXXXXX $\text{\text{[]}}(t) = \max(0, \sin \theta)$ \$0\$ $\text{\text{[]}}(t) = \max(0, -\sin \theta)$ XXXXXXXXXXXX π XXXXXXXXXXXX $\pi/2$ XXXXXXX $\text{\text{[]}}(t) = \max(0, \cos \theta)$ $\text{\text{[]}}(t) = \max(0, -\cos \theta)$ XXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXX	XXXXXXXXXXXX $E_{\{\text{sky}\}} = \{0, 1\}^2$ XXXXXXXXXXXX $\begin{aligned} \text{\text{[]}} &= \end{aligned}$
XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXXXXXXXXXXXXXXXX XXXXXX	XXXXXXXXXXXX $M_{\{\text{earth}\}} = \{0, 1\}^2$ XXXXXXXXXXXX $\begin{aligned} \text{\text{[]}} &= \end{aligned}$

Overview	Methodology	Results and Discussion
Abstract Introduction Background Conclusion	Methodology Experimental Design Data Collection Statistical Analysis Results	Information Complexity Metric $C(k) = 10^k$ for $k \in \{0, 1, 2, 3, 4, 8, 12\}$ $k = \log_{10}(C)$ 10^0 10^3 10^4 10^{12} 10^{12}
Methodology Experimental Design Data Collection Statistical Analysis Results	Methodology Experimental Design Data Collection Statistical Analysis Results	Eigenvector Centrality $\mathbf{A}$ $\mathbf{v}$ $\lambda \mathbf{v} = \mathbf{A} \mathbf{v}$ $\mathbf{v}$ Degree Centrality $\text{Centrality}(\mathbf{v}) = \max_i \sum_j A_{ij} \sim 10^{12}$
Methodology Experimental Design Data Collection Statistical Analysis Results	Methodology Experimental Design Data Collection Statistical Analysis Results	Hierarchical Cognitive Processing $L_1 = \{\text{A}, \text{B}, \text{C}, \text{D}, \text{E}, \text{F}, \text{G}, \text{H}, \text{I}, \text{J}, \text{K}, \text{L}, \text{M}, \text{N}, \text{O}, \text{P}, \text{Q}, \text{R}, \text{S}, \text{T}, \text{U}, \text{V}, \text{W}, \text{X}, \text{Y}, \text{Z}\}$ $L_2 = \{\text{A}, \text{B}, \text{C}, \text{D}, \text{E}, \text{F}, \text{G}, \text{H}, \text{I}, \text{J}, \text{K}, \text{L}, \text{M}, \text{N}, \text{O}, \text{P}, \text{Q}, \text{R}, \text{S}, \text{T}, \text{U}, \text{V}, \text{W}, \text{X}, \text{Y}, \text{Z}\}$ $L_3 = \{\text{A}, \text{B}, \text{C}, \text{D}, \text{E}, \text{F}, \text{G}, \text{H}, \text{I}, \text{J}, \text{K}, \text{L}, \text{M}, \text{N}, \text{O}, \text{P}, \text{Q}, \text{R}, \text{S}, \text{T}, \text{U}, \text{V}, \text{W}, \text{X}, \text{Y}, \text{Z}\}$ $L_4 = \{\text{A}, \text{B}, \text{C}, \text{D}, \text{E}, \text{F}, \text{G}, \text{H}, \text{I}, \text{J}, \text{K}, \text{L}, \text{M}, \text{N}, \text{O}, \text{P}, \text{Q}, \text{R}, \text{S}, \text{T}, \text{U}, \text{V}, \text{W}, \text{X}, \text{Y}, \text{Z}\}$

Abstract

Introduction

Background

Methodology

Results

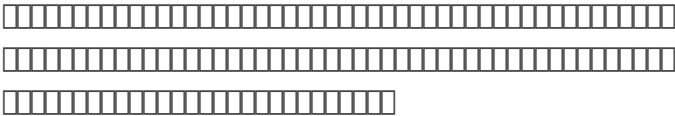
Conclusion

“Abstract”

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- Methodology
- Results

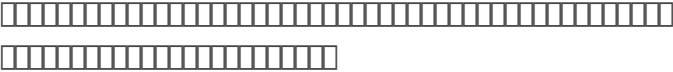
- $$N = 10^k$$



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	“ ” ” “ ” “ ” “ ” “ ” “ ” “ ”	$\mathcal{T} = [\hat{D}]{\text{\text{}}}\{\text{\text{}}\}, \hat{M}{\text{\text{}}}\{\text{\text{}}\}, \hat{S}{\text{\text{}}}\{\text{\text{}}\}, \hat{C}{\text{\text{}}}\{\text{\text{}}\}]^T$ $\longleftarrow {\text{\text{}}}, {\text{\text{}}}, {\text{\text{}}}]^T$ $\lambda({\text{\text{}}}) = 129600 {\text{\text{}}}, \quad \lambda({\text{\text{}}}) = 10800 {\text{\text{}}}, \quad \lambda({\text{\text{}}}) = 360 {\text{\text{}}}, \quad \lambda({\text{\text{}}}) = 30 {\text{\text{}}}$
	“ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ”	$\vec{R}_{\text{\text{}}} = \text{\text{}} \otimes [\text{\text{}}, \text{\text{}}, \text{\text{}}] \text{\text{}} = [\text{\text{}}, \text{\text{}}, \text{\text{}}] \text{\text{}}$ $[1, 12, 360, 4320]$
	“ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ” “ ”	$\vec{R}_{\text{\text{}}} = \text{\text{}} \otimes [\text{\text{}}, \text{\text{}}, \text{\text{}}] \text{\text{}} = [\text{\text{}}, \text{\text{}}, \text{\text{}}] \text{\text{}}$ $1 = 30 = 360$ $[12, 144, 4320, 51840]$
		The \$4 times 4\$ Chrono-Matrix $\mathbf{T}_{16} = \begin{bmatrix} \text{\text{}} & \text{\text{}} & \text{\text{}} \\ \text{\text{}} & \text{\text{}} & \text{\text{}} \\ \text{\text{}} & \text{\text{}} & \text{\text{}} \end{bmatrix}$



Section	Topic	Content
	Mathematical Notation	1. Vector notation: $\vec{N}$ (North), $\vec{E}$ (East), $\vec{S}$ (South), $\vec{W}$ (West). 2. Unit vectors: $\hat{i}$, $\hat{j}$, $\hat{k}$. 3. Position vectors: $\vec{r}$. 4. Displacement vectors: $\vec{s}$. 5. Velocity vectors: $\vec{v}$. 6. Acceleration vectors: $\vec{a}$.
	Coordinate Systems	1. Cartesian coordinates: (x, y, z). 2. Polar coordinates: (r, θ, ϕ). 3. Spherical coordinates: (ρ, θ, ϕ). 4. Cylindrical coordinates: (ρ, ϕ, z).
	Vector Operations	1. Addition: $\vec{A} + \vec{B}$. 2. Subtraction: $\vec{A} - \vec{B}$. 3. Scalar multiplication: $c\vec{A}$. 4. Dot product: $\vec{A} \cdot \vec{B}$. 5. Cross product: $\vec{A} \times \vec{B}$.
	Applications	1. Kinematics: $\vec{r} = \vec{r}_0 + \vec{v}_0 t + \frac{1}{2} \vec{a} t^2$. 2. Dynamics: $\vec{F} = m\vec{a}$. 3. Work: $W = \int \vec{F} \cdot d\vec{r}$. 4. Power: $P = \vec{F} \cdot \vec{v}$.

Input	Transformation	Output
112 152 112 152 17024	112 152 112 152 17024	Universal Transformation Number $\Delta_{\{x\}} = U_{\{x\}} \times U_{\{x\}}$ $\Delta_{\{x\}} = U_{\{x\}} \times U_{\{x\}}$ $\mathbf{N}_{\{x\}} = 112 \times 152 = 17,024$
112 152	112 152	$\mathcal{P}_{3/4}(X) = X \times \frac{3}{4} = X - \frac{1}{4}X$ $360 \times 90 = 270$ $216 \times 6 = 144$ $144 \times 6 = 216$ $216 + 144 = 360$

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Kronecker Product11215211215217024



Input	Intermediate	Output
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0000000000000000 0000000000000000 0000000000000000 0000000000000000	00 "00" 0000000000000000 0000000000000000 "00" 0000000000000000 " 00 " 0000000000000000 0000 "00" 0000000000000000 00	000000000000 Dual Morphological Mapping 000000000000 \$\mathrm{A}\$ = ({ }, { })\$ 000000000000 \$\mathrm{P}\$ = ({ }, { })\$ 000000000000 \$\$\Pi_{\{\}}\$: \mathrm{B}_{16} \to (\text{ }, \text{ }) \in (\mathrm{A}) \times (\mathrm{A}) \cup (\mathrm{P}) \times \mathrm{P}\$
0000000000000000 0000000000000000 0000000000000000 0000000000000000	"00" 0000000000000000 000000 "00" 0000000000000000 0000 "00" 0000000000000000 0000 "00" 0000000000000000 00	0000000000000000 0000000000000000 \$\mathrm{G}\$ <math>\{16\} = M \otimes M\$ \$, \text{ }, \text{ }, \text{ } }\$ 00 000000000000 \$\mathrm{S} = \{\text{ }, \text{ }, \text{ }, \text{ } \}\$ 0000000000000000 \$\$\Gamma_{\{\}}\$: \mathrm{G}_{16} \to \mathrm{S} \times \mathrm{S}\$</math>
0000000000000000 0000000000000000 0000000000000000	0000000000000000 0000000000000000 0000000000000000 0000000000000000 0000000000000000 00 65536 0000000000000000	000000000000 Combinatorial Exponentiation 000000000000 \$\$\begin{aligned} N_1 &= 4^1 = 4 \\ \quad (\text{ }) \setminus N_2 &= 4^2 = 16 \\ \quad (\text{ }) \setminus N_4 &= 16^2 = 4^4 = 256 \\ \quad (\text{ }) \setminus N_8 &= 256^2 = (4^4)^2 = 4^8 = 2^{16} = \mathbf{65,536} \\ \quad \\$65,536 &= 2^{16}\$ 0000000000000000 16-bit 0000000000000000

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Projection onto

$$\frac{8 \times 7}{2} = 28 \square$$

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$\square\square\square\square\square\square\square\square\square\square$ $\square\square\square\square\square\square\square\square\square\square$ $\square$	$\square\square\square\square\square\square\square\square\square\square$ $\square\square\square\square\square\square\square\square\square\square$ $\square\square\square\square$ “ $\square\square$ ” $\square\square\square\square\square\square\square\square\square\square$ $\square\square\square\square\square\square$ “ $\square\square$ ” $\square\square\square\square\square\square\square\square\square\square$ $\square\square\square\square\square\square\square\square\square\square$ $\square\square\square\square\square\square$	$\square\square\square\square \quad \$\mathbb{Z}_2$ Group Action on $\{0, 1\}^3$ $\square \square$ $\square\square\square\square\square\square \quad \$\sigma([b_1,$ $b_2, b_3]) = [b_3, b_2, b_1]$ $\square$ $\square\square\square\square\square\square$ $$$\text{Fix}(\sigma) = \{ \vec{g}$ $\mid \sigma(\vec{g}) = \vec{g} \} =$ $\{\text{ } , \text{ } , \text{ },$ $\text{ }\} \sqcup (4 \text{ })$ $$$$$ $\square\square\square\square\square\square$ $$$$$

Iteration	Iteration	Iteration
Iteration 1 Iteration 2 Iteration 3 Iteration 4 Iteration 5	Iteration 1 Iteration 2 Iteration 3 Iteration 4 Iteration 5 Iteration 6 Iteration 7 Iteration 8 Iteration 9 Iteration 10 Iteration 11 Iteration 12	Iteration 1 Iteration 2 Iteration 3 Iteration 4 Iteration 5 Iteration 6 Iteration 7 Iteration 8 Iteration 9 Iteration 10 Iteration 11 Iteration 12
Iteration 1 Iteration 2 Iteration 3 Iteration 4 Iteration 5	Iteration 1 Iteration 2 Iteration 3 Iteration 4 Iteration 5 Iteration 6 Iteration 7 Iteration 8 Iteration 9 Iteration 10 Iteration 11 Iteration 12	Iteration 1 Iteration 2 Iteration 3 Iteration 4 Iteration 5 Iteration 6 Iteration 7 Iteration 8 Iteration 9 Iteration 10 Iteration 11 Iteration 12
Iteration 1 Iteration 2 Iteration 3 Iteration 4 Iteration 5	Iteration 1 Iteration 2 Iteration 3 Iteration 4 Iteration 5 Iteration 6 Iteration 7 Iteration 8 Iteration 9 Iteration 10 Iteration 11 Iteration 12	Iteration 1 Iteration 2 Iteration 3 Iteration 4 Iteration 5 Iteration 6 Iteration 7 Iteration 8 Iteration 9 Iteration 10 Iteration 11 Iteration 12

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变量名	表达式	结果
Qian Kun Total	Qian = 6 * 6 * 6 = 216 Kun = 12 * 12 = 144 Total = Qian + Kun = 216 + 144 = 360	Qian = 6^3 = 6 * 6 * 6 = 216 Kun = 12^2 = 12 * 12 = 144 Total = Qian + Kun = 216 + 144 = 360
Ursa Ratio Duty Cycle	Ursa = 7 * 10 = 70 Ratio = 70 / 100 = 0.7 Duty Cycle = 0.7	Ursa = 7 * 10 = 70 Ratio = 70 / 100 = 0.7 Duty Cycle = 0.7

Qian

Kun

- Qian = 6^3 = 216, Kun = 12^2 = 144, Total = 360

Ursa

Ratio

Duty Cycle

Ursa

Ratio



1.

flowchart TD

```
subgraph Axiom["Axioms"]
    A1["Axiom 1:  $\forall x, y \in G, xy = yx$ "]
    A2["Axiom 2:  $\forall x \in G, x^{10} = 1$ "]
end

subgraph Geometry["Geometry"]
    B1["Theorem 1:  $\forall k \in \mathbb{N}, \exists x \in G, x^k = 1$ "]
    B2["Theorem 2:  $\forall x \in G, \text{Burnside}(x) \leq 8x + 28$ "]
    B3["Theorem 3:  $\forall x \in G, x^{216} = x^{144} = 360$ "]
end

subgraph Dynamics["Dynamics"]
    C1["Lemma 1:  $\forall x \in G, x^{4 \times 4} = 1$ "]
    C2["Lemma 2:  $\forall x \in G, v \cdot v^T = 16$ "]
    C3["Lemma 3:  $\forall x \in G, x^{360^1} = 360^{16}$ "]
end

subgraph Computation["Computation"]
    D1["Proposition 1:  $112 / 152 = 17024$ "]
    D2["Proposition 2:  $384 \rightarrow 360 \rightarrow 256$ "]
    D3["Proposition 3:  $2^{16} = 65536$ "]
    D4["Proposition 4:  $\dots$ "]
end

A1 --> B1 --> C1 --> D1
A2 --> B2 --> C2 --> D2
B3 --> C3 --> D3 --> D4
```

2.



```
# coding: utf-8
class ShaoYongMasterConstants:
    # 1. 天体常数
    YEARS_PER_YUAN = 129600      # 1年 (360^2)
    YEARS_PER_HUI  = 10800       # 1年 (129600 / 12)
    YEARS_PER_YUN  = 360         # 1年 (360^1/2)
    YEARS_PER_SHI  = 30          # 1年 (360^1/3)

    # 2. 行星常数
    CE_OFFSET      = 67017       # 行星常数 (N_year = CE + 67017)
    KAIWU_YEAR     = 27000       # 行星常数
    BIWU_YEAR      = 113400      # 行星常数
    ACTIVE_SPAN    = 86400       # 行星常数 (8, 2/3)
    CHAOS_SPAN     = 43200       # 行星常数 (4, 1/3)

    # 3. 行星常数
    TI_NUMBER_YANG = 160         # 行星常数 (10 * 16)
    TI_NUMBER_YIN  = 192         # 行星常数 (12 * 16)
    YONG_NUMBER_YANG = 112       # 行星常数 (160 * 16)
    YONG_NUMBER_YIN  = 152       # 行星常数 (192 * 16)
    CHANGE_MODULUS = 17024       # 行星常数 (112 * 152)

    # 4. 行星常数
    TI_CE_TOTAL    = 384         # 行星常数 (64 * 6)
    YONG_CE_TOTAL  = 360         # 行星常数 (384 - 4024)
    TI_YONG_CE     = 270         # 行星常数 (360 * 3/4)
    PRACTICAL_CE   = 252         # 行星常数 (270 - 18)
    ORGANISM_BASE  = 256         # 行星常数 (16*16)
    ONTOLOGY_STATES = 65536      # 行星常数 (2^16 = 65,536)

    # 5. 行星常数
    HEX_BURNSIDE_ORBITS = 36     # 行星常数 (8+28)
    DAYAN_TOTAL     = 50         # 行星常数 (50)
```

3.

1. **Bitwise & Topology Layer**
- 6-bit `uint8`

• `BurnsideEquivalenceClass`

• 50% `Guard Rails`
2. **Spatiotemporal State Machine Layer**
- Integer Arithmetic

• `N_year ∈ [1, 129600]` `CE_OFFSET = 67017`
3. **Cryptographic & Feature Reduction Layer**
- "112/152" "17024" `Hash Compression & S-Box`

• " " "

4. **Knowledge Graph & Entity Addressing Layer**

• 65,536 16-bit `uint16`

• Agent 16-bit

• Deterministic Primary Key $\$O(1)\$$
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- v2

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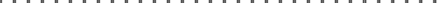
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A horizontal number line with 20 equal intervals, labeled from 0 to 20.

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L264 | □ 6□□□ □ 180□□□ □ 2159□□□ □ 20□ □ □ | **64760** | □□ **2258** □ □ |
:L16, □ :L18, □ :L224 || 4 | □□□□□□□□ □ L270 | □ 6□□□ □ 180□□□ □ 2159
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64794 | □□ **2224** □ □ :L16, □ :L18, □ :L288 || 6 | □□□□ □ L380 | □ 7□□□ □ 181
□□ □ 2161□□□ □ 10□ □ □ | **64810** | □□ **2208** □ □ :L356, □ :L358, □ :L360 || 7 |
| □□□□□□□□ □ L382 | □ 7□□□ □ 181□□□ □ 2161□□□ □ 11□ □ |
□ □ | **64811** | □□ **2207** □ □ :L356, □ :L358, □ :L360 || 8 | □□□□□□□□ □ |
L400 | □ 7□□□ □ 181□□□ □ 2161□□□ □ 20□ □ □ | **64820** | □□ **2198** □ □ |
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□ 2176□□□ □ 2□ □ □ | **65252** | □□ **1766** □ □ :L1132, □ :L1134, □ :L1328 || 10 |
□□□□□ □ L2584 | □ 7□□□ □ 183□□□ □ 2195□□□ □ 16□ □ □ | **65836** |
□□ **1182** □ □ :L1908, □ :L1910, □ :L2552 || 11 | □□□□□□□□ □ |
L2722 | □ 7□□□ □ 184□□□ □ 2197□□□ □ 16□ □ □ | **65896** | □□ **1122** □ □ |
:L2686, □ :L2688, □ :L2690 || 12 | □□□□□□□□ □ L2734 | □ 7□□□ □ 184
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| 13 | □□□□□□ □ L3318 | □ 7□□□ □ 184□□□ □ 2206□□□ □ 26□ □ □ |
| **66176** | □□ **842** □ □ :L2686, □ :L2688, □ :L3266 || 14 |
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JSON

huangji



JSON 测试工具
支持多种格式

Python TypeScript Go 测试工具
Test Fixtures

json.loads()

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1. 185 L3464
- 3464

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