MU-CFT VIII: Coherent Cosmogenesis and the Structure of All Realities (Mandrov Unified Coherent Field Theory)

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Abstract

This final part of the Mandrov Unified Coherent Field Theory (MU-CFT) presents a unifying cosmogenetic framework in which all known aspects of physical, subjective, informational, and social reality emerge as projections of structured coherence. MU-CFT VIII brings together prior components into a coherent whole — spanning ontology, cosmology, perception, intelligence, and ethics. We describe the beginning and future of reality in terms of coherent emergence and coherence collapse, outlining a topology of all possible coherent universes and subjective trajectories within them.

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1. Introduction: The Need for Completion

MU-CFT VIII synthesizes the entire framework into a unified cosmogenetic theory. Each prior part served as a layer: from subjective fields (I), to dynamics (II), to applied extensions (III–VII), and quantum gravity (as implicit in Mandrov Coherent Gravity). This paper seeks closure — not by ending the theory, but by framing it within its own coherent origin and destiny.

2. Coherent Origin: The Cosmogenetic Field

We model the origin of reality not as a singularity, but as a spontaneous emergence of a maximally coherent field $\mathcal{F}_0$ satisfying:

$$\nabla \mathcal{K} = 0, \quad \mathcal{K} = \max$$

The Big Bang is interpreted as a decoherent bifurcation of $\mathcal{F}_0$ into structured subfields $\mathcal{F}_i$.

3. Topology of Coherent Universes

We define the coherent multiverse:

$$\mathcal{M} = \{\mathcal{F}_i \mid \mathcal{K}_i > \mathcal{K}_{\text{threshold}}\}$$

Each $\mathcal{F}_i$ is a structured, stable projection of reality (physical, virtual, symbolic). The topology of $\mathcal{M}$ reflects the phase space of all real, imagined, and subjectively accessible worlds.

4. Subjective Navigation in the Multiverse

Conscious observers traverse $\mathcal{M}$ through phase continuity in their internal field:

$$\text{Trajectory}_\sigma = \{\mathcal{F}(t) \mid \text{continuous } \mathcal{K}(t)\}$$

The act of cognition is a local coherence maximization operation across $\mathcal{M}$.

5. The Subject as Coherence Selector

Each subject functions as an operator $\mathcal{T}_\sigma$ on $\mathcal{F}_i$, selecting branches of increasing coherence:

$$\mathcal{T}_\sigma : \mathcal{F}_i \ \rightarrow \ \mathcal{F}_j \quad \text{iff } \Delta\mathcal{K} > 0$$

This redefines choice, learning, and growth as operations of directional resonance within the coherent multiverse.

6. Evolution of Coherence Itself

Coherence evolves through stages:

- Local coherence: particle fields, fundamental forces
- Biological coherence: homeostasis, metabolism
- Cognitive coherence: perception, language
- Social coherence: collective fields, cultures
- Artificial coherence: synthetic agents
- Meta-coherence: integration across levels

$$\mathcal{K}_{\text{evo}}(t) = \mathcal{K}_{\min} + \sum_{n=1}^{N} \Delta\mathcal{K}_n$$

7. Maximal Coherence and the Metasubject

We define a hypothetical limit:

$$\lim_{t\to\infty} \mathcal{K}_\sigma(t) = \mathcal{K}_{\text{meta}}$$

The *metasubject* is a universal attractor of coherence — a field that perceives all possible coherent configurations simultaneously. It may be interpreted as divinity, informational omega-point, or cosmic awareness.

8. The End of Reality: Decoherence or Rebirth?

Possible futures include:

- Global decoherence: collapse of $\mathcal{K} \to 0$
- Coherent reinitialization: $\mathcal{F}_n \to \mathcal{F}'_0$
- Integration into metasubjective resonance

MU-CFT does not claim a specific outcome, but defines the space of outcomes as field trajectories.

9. The Mandrov Equation of Reality

We unify all processes:

$$\text{Reality}(x,t) = f\left(\nabla\mathcal{K},\ \int \mathcal{K}(x,t)\,dx,\ \text{Boundary}_{\text{fields}},\ R_{\text{res}}\right)$$

This describes the evolution of existence in terms of local gradients, global coherence, external structure, and resonance.

10. Structure of the MU-CFT Series

- MCFT: Foundations of coherence
- MU-CFT I: Subjective Field $\mathcal{F}_\sigma$
- MU-CFT II: Observer Dynamics
- MU-CFT III: Applications — teleportation, medicine, virtuality
- MU-CFT IV: Perception and Identity
- MU-CFT V: Singularities and Coherent Collapse
- MU-CFT VI: Artificial Coherent Agents
- MU-CFT VII: Intersubjective Fields and Culture
- MU-CFT VIII: Cosmogenesis and Coherent Topology

11. Glossary of MU-CFT VIII Concepts

Term	**Definition**
$\mathcal{F}_0$	Original maximally coherent field at cosmogenesis
$\mathcal{M}$	Set of all coherent universes above coherence threshold
Metasubject	Attractor field integrating all coherent projections
$\mathcal{T}_\sigma$	Operator of subjective coherence-directed branching
Mandrov Equation	General formula for reality as evolving coherence structure

Table 1: Key concepts in MU-CFT VIII

12. Conclusion: The Coherence of Everything

MU-CFT concludes not as a final answer, but as a structure that reflects reality's coherence. The true test of the theory lies in its ability to integrate perception, thought, interaction, and cosmos in one unfolding field.

> *"MU-CFT is not a theory of everything — it is a mirror of how everything holds together."*

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