

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

Dmitry A. Mandrov

Independent Researcher, Russia

2025

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.

Contents

1	Introduction: The Need for Completion	3
2	Coherent Origin: The Cosmogenetic Field	3
3	Topology of Coherent Universes	3
4	Subjective Navigation in the Multiverse	3
5	The Subject as Coherence Selector	3
6	Evolution of Coherence Itself	4
7	Maximal Coherence and the Metrasubject	4
8	The End of Reality: Decoherence or Rebirth?	4
9	The Mandrov Equation of Reality	4

10 Structure of the MU-CFT Series	5
11 Glossary of MU-CFT VIII Concepts	5
12 Conclusion: The Coherence of Everything	5

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:

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

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}_s on \mathcal{F}_i , selecting branches of increasing coherence:

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

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

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

7. Maximal Coherence and the Metrasubject

We define a hypothetical limit:

$$\lim_{t \rightarrow \infty} \mathcal{K}_{\text{subject}}(t) = \mathcal{K}_{\text{meta}}$$

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 $\mathcal{K} \rightarrow 0$
- Coherent reinitialization: $\mathcal{F}_n \rightarrow \mathcal{F}'_0$
- 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}_s
- 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}_s	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.”

Acknowledgments: This final part was written with the continued assistance of OpenAI’s ChatGPT-4o. The theoretical structure, philosophical orientation, and vision are original to Dmitry A. Mandrov.