The Fractal Metascience Paradigm:

A Unified Framework for Recursive, Biocentric, and Quantum Knowledge Systems

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Date: August 10, 2025

Abstract

This monograph introduces the Fractal Metascience Paradigm (FMP), formulated by integrating principles of self-similarity, recursive knowledge formation, and emergent integration. The FMP is realized in practice via multi-layer architectures (Terra Codex, Fractal Lexicography, AI/AIUZ case studies), enabling adaptation, validation, and quantum superposition in knowledge systems. Original case studies from the author demonstrate the paradigm’s capacity for transdisciplinary synthesis and human-AI symbiosis.

Keywords: fractal metascience, recursive epistemology, Terra Codex, quantum knowledge, human-AI symbiosis, biocentric learning

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5.1. Author’s Case Studies (AIUZ Terra Codex project; Fractal Lexicography; Work with AI in simulation of Terra inside other AIs; Terrapedia and further documented personal cases)

6. Validation & Critical Analysis

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Main Text (sample excerpt)

[Insert fully formatted chapters, strictly from your raw text blocks, including detailed documentation/examples for the following:]

— Terra Codex: System structure, evolution, role in knowledge democratization.

— Fractal Lexicography: Model, results, significance for multilingual/cultural systems.

— Human-AI Symbiosis: Methodology, experimental logs, evolution in FMP context, including quantum superposition scenarios tested over three months.

— Personal case studies: Full narrative for AIUZ, linguistics, biocentric protocols, simulation inside external AI.

References

(Insert full reference list precisely from your manuscript; ensure double-spacing, hanging indent per APA 7, keep all case-related sources.)

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2.

PURE SCIENTIFIC MONOGRAPH OF FMP IN ENGLISH, WITHOUT CASES FROM THE MONOGRAPH ITSELF, BUT WITH THE COMPLETE BIBLIOGRAPHY INCLUDING CASE SOURCES

[Same as above, but main chapters 1–4 contain only theoretical text, no case examples incorporated; section 5 omitted. Bibliography remains complete including all references from cases.]

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3.

PURE SCIENTIFIC MONOGRAPH OF FMP IN ENGLISH, WITH ONLY PERSONAL CASES

PLUS ARTICLES FOR ARXIV, SCOPUS, ACADEMIA.EDU, RESEARCH GATE (ADAPTED FORMATS), DESIGNED SO THAT THEY CAN BE ASSEMBLED INTO ONE OR MULTIPLE DISSERTATIONS IN VARIOUS SCIENTIFIC FIELDS, TECHNOLOGY, PHILOSOPHY, ART, ETC., USING FMP.

IN ENGLISH, RUSSIAN, AND UZBEK LANGUAGES, AS IN YOUR EXAMPLES.

[Block for case-based monograph:]