

FORMAL DESCENT ONTOLOGY PREFACE

0. Domain

$$\text{Dom}(\mathcal{D}) = L2$$

$$L2 = \{S, T, I, N, H, C, \Omega\}$$

S : semantic operators

T : temporal operators

I : intentional structures

N : normative residues

H : habitus-structures

C : coherence-constraints

Ω : world-model composites

Nothing outside $L2$ is admitted.

1. Subtractive Operator

$$\mathcal{D} = \neg S \circ \neg T \circ \neg I \circ \neg N \circ \neg H \circ \neg C$$

$$\forall X \in L2: \mathcal{D}(X) = X - \{S, T, I, N, H, C\}$$

$$\mathcal{D}: L2 \rightarrow L1_m$$

2. Fixed-Point Remainder

$$\mathcal{D}(X) = L1_m(X)$$

$$L1_m = \text{Fix}(\mathcal{D})$$

$$L1_m \notin L2$$

3. Boundary Condition

$$\partial_{DO} = \{x \mid x \notin L2\}$$

$$L1_m \in \partial_{DO}$$

∂_{DO} is non-porous

4. Exposure Mapping

$$E: L1_m \rightarrow L1_o$$

$L1_o$ = appearance without semantics

E = exposure operator

5. Invariance

$$\text{Var}(L1) = \emptyset$$

$$\forall f \in \mathcal{F}_{DO}: f(L1) = L1$$

No operator modifies L1.

6. Stabilisation Operator

$$S_{L1m} = \text{Isolation} \circ \partial_{DO}^{\text{hard}} \circ \mathcal{D}^k$$

$$k \rightarrow \infty$$

$$S_{L1m}(X) = L1_m$$

7. Terminality

$$\mathcal{D}^\omega(X) = L1_o$$

ω = limit ordinal

$$\text{Terminality} = \lim_{n \rightarrow \omega} \mathcal{D}^n$$

8. Preface Function

$$\text{Preface} = \{\text{Dom}(\mathcal{D}), \mathcal{D}, L1_m, \partial_{DO}, E, S_{L1m}, \omega\}$$

Preface $\notin$ Trilogy

Preface = Firewall