The co-emergent systems:

- **Meta-System:**

  (The constraints themselves that everything must obey)

- **Intra-System:**

  (Constraints are expressed through state)

- **Inter-System:**

  (Constraints are expressed through relation)

- **Supra-System:**

  (Constraints are expressed through emergence)

- A system emerges:

  - Pre Verbal
  - Pre Conscience
  - Pre Agency

Nullo modo nulloque habitu res constitutae mente deliberante indigent, nec verbis utente.

Hic ordo fidem narrationemque non poscit; perseverantia sola est satis.

This order demands neither belief nor narrative; persistence alone is sufficient.

De Grammatica Universa

I

De Vinculis Existentiae

(On the constraints of existence)

Auctor Rerum

The simultaneous emergences that make reality

The structures described here are empirically established across existing scientific domains. No novel empirical measurements are introduced; the work formalizes constraints already demonstrated elsewhere. Interpretation remains open; the empirical grounding of the constraints does not.

- **System:**

  (A bounded configuration that maintains internal coherence under constraints, allowing persistence)

- **Vector:**

  (An orientation/movement that is continuous, pre-verbal, and non-conscious that does not require intention.)

- **Constraint:**

  (A structural impossibility encountered along a system's vector; that impossibility causes a system to redirect.)

- **Boundary:**

  (The interface where inside meets outside – where translation between system and environment occurs.)

- **Limit:**

  (An absolute condition beyond which the system cannot persist; certain states are unreachable as that system.)

- **Recursion:**

  (Repeated interaction with boundaries under constraints, generating self-reference – "the system includes itself")

- **Irreversibility:**

  (Some state changes cannot be undone; state changes and the system cannot return to the previous configuration.)

- **Compensation:**

  (When a constraint forces redirection, the system redistributes load/strategy to preserve function under new conditions.)

- **Ethics:**

  (A constraint operative at a system's crossing of a boundary, forcing compensation onto other systems and reducing coherence relative to constraints.)

- **Paradox:**

  (Two opposing constraints or frames that remain mutually constraining without cancelling each other, such that the system cannot resolve them without a state transition.)

- **Oscillation:**

  (A structural, value-neutral dynamic tension within and between layers of a system – movement between stabilizing forces.)

- **Coherence:**

  (Integrated, persistent stability; sustained regulation across layers.)