

## First Law: Structural Existence Law (Structural Manifestation Theorem)

### Definition:

When the logical relationships, distances, or interactions between the minimal units of a given structure fail to stabilize into a structure, the manifestation of that structure disappears; when these units re-stabilize into a coherent formation, the structure reappears.

### Explanation:

- The existence of a structure does not depend on the observer but on the **internal order** among its constituent units.
- Manifestation is not about individual units, but about the **structure as a whole**.
- The characteristics of any structure arise from the **collective structural manifestation** of its lower-level components.

### Example:

- The structural manifestation of quantum units gives rise to **atomic properties**.
- The structural manifestation of atoms leads to **molecular properties**.
- The structural manifestation of molecules forms the **properties of matter**.

## Second Law: Structural Consensus Law (Structural Resonance Theorem)

### Definition:

The reason why intelligent beings can transmit and understand information via language, images, and symbols is that, during structural transitions at all levels of the universe, there exists a latent convergence in structural logic. This enables information to resonate and map across structures, forming recognizable and repeatable expressions.

### Explanation:

- This law does not claim absolute uniformity in the essence of the universe, but reveals the **shared logic of structural perception** among intelligent beings.
- The ability to express the same logic using different languages, models, or formulas stems from this **resonant structural perception**.
- "Resonance" here implies not identity, but the **repeatable, perceivable, and mappable nature of logical trends**.

### Core Mechanism:

- Resonance  $\neq$  Isomorphism
- Rather, it refers to **logical trajectories shared by diverse structures** undergoing change.

## Third Law: Structural Trend Law (Structural Transition Theorem / Trend Wave Theorem)

### Definition:

All changes in universal structure are not, in essence, "motion" in the classical sense, but rather the disappearance and emergence of structural manifestations. This process appears as a trend-like fluctuation, forming the foundation for all perceived phenomena such as "movement," "change," and "evolution."

### Explanation:

- The essence of the universe lies in **structural forgetting (disappearance)** and **structural memory (emergence)**.
- Trend waves are dynamic projections of **probabilistic manifestation** along the time dimension.
- What we perceive as "a moving object" is fundamentally a trend formed by the **appearance-disappearance sequences** of its constituent units.
- This principle applies not only to physical reality but also to **language, emotion, and higher-order logical structures** within intelligent systems.