

Chapter 4: The Boundaries of Logic and the Behavior of the Universe

4.1 The Universe Is Not a Static Noun, but a Continuous Verb

For ages, humans have understood the universe through nouns: "*The universe is a whole,*" "*The universe is a system,*" "*The universe is a space.*" But in this theory, the universe is not a static entity—it is an **ongoing process**, a continuous **act**.

The universe is not about *what it is*, but *what is happening*.

- The **essence** of the universe is restoration: a tendency to pull all structures back to their origin.
- The **self** of the universe is memory: an act of desperately recording and stabilizing structure.
- And the **universe itself** is the ongoing transformation between these two forces.

This gives rise to a crucial new concept:

The universe is not a collection of states, but an **unending motion**.

4.2 Logic Is Not a Conclusion, but a Temporary Strategy in the Process

We never truly *discovered* logic; we merely *used* it.

Logic is not an inherent part of the universe. It is a **language** developed by intelligent beings to understand, store, communicate, and predict the changes of the universe.

- It doesn't explain everything—but it helps prevent collapse.
- It cannot foresee chaos—but it creates local stability.
- It is not an answer—but a **method of resisting disorder**.

Therefore, logic is not an eternally correct tool—it is a **survival strategy** crafted by intelligence.

4.3 What Happens When the Behavior of the Universe Exceeds the Bounds of Logic?

Two things happen:

1. False perceptions are revised into new truths.
2. Existing logic is extended into new systems of logic.

This is why science continually "overthrows" old theories. In truth, it is not destruction—it is **migration**, **conversion**, and **reconstruction** once we've exceeded the bounds of prior logic.

We call this phenomenon:

Boundary Drift of Logic (BDL)

Every great leap in human civilization has been a result of logic's expanding frontier.

- After Newton came Einstein—because we encountered the boundary of macroscopic logic.
- After Einstein came quantum mechanics—because we touched the limits of microscopic logic.
- And what lies ahead?

Perhaps we are now approaching the boundary of logic **itself**.

4.4 The Foundational Structure of Cosmic Behavior: The Cycle Frequency of Restoration and Memory

In this theoretical system, we do not define the universe as a field of physical motion. Instead, we define it as:

A **behavioral field** that oscillates between memory (structure formation) and restoration (structure collapse).

Each oscillation forms a **basic unit** of universal behavior.

We call this oscillation:

Behavioral Frequency of the Cosmos (BFC)

- It is not defined by mass, time, or energy;
- It is defined by the **completion of a memory–forgetting–memory cycle**;
- When an action completes one cycle of memory and restoration, one unit of cosmic behavior is completed.

If physics studies **what** the universe does,

Then this theory studies **why** the universe behaves that way—the **logical background** of phenomena.

4.5 Conclusion: From the Flashes that Resist Restoration, Our Logic Was Born

Every living being, every memory we refuse to forget, every changing structure—all are resisting the universe's inherent nature of restoration.

Logic is not a gift granted by the universe.

It is a **tool we created** to survive in it, to remember ourselves, and to preserve our form.

The universe does not need logic.

But **we do**.

The universe may never remember us.

But **we must remember ourselves**.