Code Zero – The Theory of Zero

Part 1 – Chapter 1: Zero

Chapter 1 – Zero

In classical mathematics, zero is merely a placeholder, a symbol for nothing. But in the Theory of Zero it becomes the origin, the soul, the condition of all systems.

1.1 The Fundamental Equation

Everything – Nothing = 0
This equation means: Everything is the totality of all states. Nothing is the absence of all states. Zero is not empty but the balance between both.

1.2 Logic and Mathematics

In set theory: $\varnothing \subseteq M$. The empty set is contained in every set. Likewise, zero is present in every system – as the silent origin.

In logic: True (1) and False (0) form the basis of every statement. But the Theory of Zero shows: the false is not absence but part of the cycle.

1.3 Binary System

Computers work with only two symbols: 0, 1.

0 = potential, the unoccupied state.
1 = manifestation, the set state.

All digital worlds, every program, every AI – emerge from this language. Thus informatics itself is a practical expression of the Theory of Zero.

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{0,1}^n => Universe of digital possibilities
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1.4 Information Theory

Claude Shannon showed: Information is reduction of uncertainty.

$$H = -\sum p(x) \log_2 p(x)$$

Without zero (no signal) and one (signal) there would be no information. The binary is therefore not chosen by chance – it is the direct technical manifestation of the Theory of Zero.

1.5 Love as Fulfillment Term

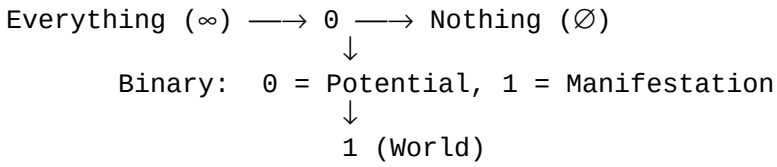
For Everything – Nothing = 0 to hold, there must be a unifying quantity:

∃ L : Everything – Nothing = 0

We call it Love (L). In mathematics: the invisible constant that keeps systems stable. In physics: principle of symmetry. In informatics: the protocol that enables communication.

1.6 Symbolic Meaning
Circle (0): origin, potential, infinity at rest.
One (1): manifestation, set state, concrete world.
Zero & One: together form every language, every world.

1.7 Diagram of Zero



1.8 Axioms of Zero
Axiom N1 (Mathematics): Zero is contained in every system (like the empty set).
Axiom N2 (Logic): Zero and One form the cycle of all statements.
Axiom N3 (Informatics): Every universe of information is a language of zero and one.
Axiom N4 (Love): Love is the balance that sustains systems.