

The Dynamic Number: An Introduction to the Mathematics of \mathcal{O}_ω

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Abstract

This paper introduces the concept of the "Dynamic Number" (\mathcal{O}_ω), proposing a paradigm shift from viewing numbers as static quantities to understanding them as process-oriented units. Within the framework of Atleastism (The Philosophy of the Essential Minimum Action), this framework defines cyclicity as a fundamental element of reality.

1 Introduction

Traditional mathematics treats numbers as fixed points on a continuum. While this model is effective for describing static systems, it proves insufficient when analyzing biological, vibrational, and eternally changing structures. Within the framework of Omnilogy, we transition from describing "being" to describing "becoming".

2 The \mathcal{O}_ω Operator

The Dynamic Number is defined by its intrinsic momentum. The symbol \mathcal{O} serves as the cyclicity operator, while the index ω represents its angular velocity within the conceptual space. If a classical number is a "position," then \mathcal{O}_ω is a "trajectory."

3 Atleastistic Efficiency

In the system of Atleastism, value resides in the completeness of action. \mathcal{O}_ω describes iterative processes that maintain systemic vitality through constant rotation and scanning of possibilities, resisting the "entropy of rest."

4 Conclusion

The introduction of \mathcal{O}_ω synchronizes scientific language with the dynamics of existence. Form is but a temporary state of motion.