

Contents

Numbers as Signs	1
Do numbers exist?	1
Symbolic	1
Nonsymbolic	1
Model	2
Time Continuum	3
Interpreted Sense	3

Numbers as Signs

Do numbers exist?

If numbers exist, where might we find them? They are always, so to speak, out of grasp from our physical senses. Even their origins are alluding. It's as if they've been granted some kind of nonterminating preexistence beyond our spatiotemporal realm. Do numbers exist outside our comprehension of them? Are they nothing more than a human imagination? Despite the many attacks put forth on these ontological issues, there remains a lack of semiotic analysis on the numerical digit itself. Given the set of natural numbers $\{1, 2, 3, \dots\}$, let us first analyze the set's sign elements to arrive at an origin representation.

Symbolic

Interacting with numbers are done exclusively and indirectly through the use of signs. Where in Saussurean terms, the signifier of the sign points to the unobtainable signified; the number itself. Contrast that to a photograph in Peircean terms which operates as an iconic sign. The photo sign signifier (the sign vehicle's representation) points to that which was or still is the actualized physical signified; the immediate object. A number sign however is a symbolic sign in which the signified points to an abstract object; a mathematical object.

Nonsymbolic

That is not to say that number signs can only appear as symbols. In the case of repunits or more historically the tally marks, we can consider a conversion from base 10 numbers to a unary numeral system. Within this system, the sign is both the signifier and the signified of its own representation. A self-referential representation that exposes the accumulated events of it having been counted into a signed existence. The physical representation of an idealized iconic set of tallies is itself an indexical sign to the act of having been counted. An

Model

[illegible]

The diagram shows a horizontal sequence of eight rounded rectangular nodes. Above each node is a dashed rectangular box. The first four nodes are grouped by a large, light-gray oval that encompasses them all. The last four nodes are grouped by a similar light-gray oval. Each node has a small circle inside it. The dashed boxes are connected to the nodes by vertical lines. The overall structure suggests a sequence of operations or states, possibly related to the 'Sequence' concept mentioned in the text.

