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The Theory of Number "0"

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Abstract : The science of mathematics was originated at the order of count of objects and subsequently for the measurement of size and quality of objects using the logical or abstract means. The laws of mathematics are based on the study of absolute values. The number 0 or "nothing" is the purely logical (as the opposite to absolute) value as the "nothing" should always assume the space for the something that had existed there; otherwise the "something" would never come to existence. In this work we are going to prove that the number "0" is the abstract (logical) and not an absolute number and it has the absolute value of " ∞ " (infinity). Therefore, the number "0" might not stand in the row of numbers that symbolically represents the absolute values, as it would be the mathematically incorrect. The symbolical value of number "0" in the row of numbers could be represented with symbol " ∞ " (infinity). As a result, we have the mathematical row of numbers: epsilon, ...4, 3, 2, 1, ∞ . As the conclusions of the theory of number "0" we presented the statements: multiplication and division by fractions of numbers is illegal operation and the mathematical division by number "0" is allowed.

Keywords: illegal operation of division and multiplication by fractions of number, infinity, mathematical row of numbers, theory of number "0"

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