

Googolplex Written Out

Wolfgang H. Nitsche

A stylized graphic featuring a spiral composed of the number '0'. The spiral starts from the center and expands outwards. In the top-left corner, the word 'volume' is written in a bold, sans-serif font, followed by the number '1000'. In the center of the spiral, the numbers '4 8 6 1 9' are arranged in a horizontal line.

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A stylized graphic of a vinyl record. The text "volume 1000000" is written in a bold, black, sans-serif font at the top. The center of the record features the number "48619" in a large, black, sans-serif font, oriented vertically. The record itself is represented by a series of concentric, slightly wavy lines, suggesting the grooves of a vinyl record. The overall design is minimalist and modern.

Foreword

In 1940, the mathematician Edward Kasner published the book "Mathematics and the Imagination", in which he popularized the words googol and googolplex which his nephew suggested as names for big numbers.

The number googol has been defined as 1 followed by a hundred zeros:

[illegible]

The much larger number googolplex has been defined as 1 followed by a googol zeros. While this number can easily be written as

$$\text{googolplex} = 10^{\text{googol}} = 10^{(10^{100})}$$

using the exponential notation, it has often been claimed that the number googolplex is so large that it can never be written out in full.

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Wolfgang H. Nitsche
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www.GoogolplexWrittenOut.com

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