

Googolplex Written Out

Wolfgang H. Nitsche

A graphic featuring a spiral made of the number '0' characters. The spiral starts from the center and expands outwards in a clockwise direction. At the top left of the spiral, the text 'volume 1000' is written in a bold, black, sans-serif font. In the center of the spiral, the year '2024' is written, also in a bold, black, sans-serif font, but rotated 90 degrees counter-clockwise so that it appears to be part of the spiral's structure.

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A large spiral graphic composed of the number '0' characters, arranged in concentric circles. The text 'volume 10000' is at the top, and '2024' is in the center.

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.

[illegible]

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www.GoogolplexWrittenOut.com

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