

Googolplex Written Out

Wolfgang H. Nitsche

A black and white graphic featuring a large spiral composed of the digit '0'. The spiral starts from the center and expands outwards in a clockwise direction. At the top of the image, the text 'volume 10000' is written in a bold, sans-serif font. In the center of the spiral, the numbers '1348' are arranged in a circular pattern, with the '1' and '3' at the top, '4' on the right, and '8' on the left.

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Stanford University

A large spiral graphic composed of the number '0' characters, winding outwards from a central point. The text 'volume 10000' is positioned at the top left, and the number '1348' is located in the center of the spiral.

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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