

Googolplex Written Out

Wolfgang H. Nitsche

A large spiral composed of the digit '0' starts from the center and expands outwards in a clockwise direction. The text 'volume 10000' is positioned at the top left of the spiral, and the number '624' is located near the center, slightly to the left of the spiral's origin.

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Stanford University

A large spiral composed of the digit '0' starts from the center and expands outwards in a clockwise direction. The text 'volume 1000' is positioned at the top left of the spiral. In the center of the spiral, the numbers '624' are arranged in a small cluster.

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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