

Googolplex Written Out

Wolfgang H. Nitsche

A large, stylized graphic featuring a spiral of binary digits (0s and 1s) that forms a circular shape. The digits are arranged in a way that creates a sense of depth and rotation. In the upper left corner, the text "volume 1000" is written in a bold, sans-serif font. In the center of the spiral, the number "1301" is displayed, oriented vertically.

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A large spiral composed of the digit '0' starts from the top right and winds inward towards the center. At the top left, the text 'volume 10000' is written in a bold, black, sans-serif font. In the center of the spiral, the number '10301' is displayed, oriented vertically with '1' at the top and '0301' below it.

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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