

Googolplex Written Out

Wolfgang H. Nitsche

A graphic featuring a spiral pattern of numbers. The spiral starts with the word 'volume' in a bold, black, sans-serif font at the top left. The numbers 9, 6, 7, 5, and 8 are arranged in a clockwise spiral pattern, with the digit 9 forming the outermost ring and the digit 5 forming the innermost part of the spiral. The numbers are in a bold, black, sans-serif font, matching the style of the word 'volume'. The spiral is composed of the digits 9, 6, 7, 5, and 8, with the digit 9 being the most frequent and the digit 5 being the least frequent. The spiral is centered on the page and occupies most of the visual space.

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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:

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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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