

Googolplex Written Out

Wolfgang H. Nitsche

A graphic featuring a spiral pattern of digits. The spiral starts with the word 'volume' in a bold, black, sans-serif font at the top left. The digits 9, 8, and 6 are arranged in a clockwise spiral, with the number of digits per segment increasing as the spiral moves outwards. The digits are in a bold, black, sans-serif font, matching the 'volume' text. The spiral begins with a '9' and continues with a sequence of '9's, '8's, and '6's. The overall shape is roughly circular, with the digits forming the perimeter and inner rings of the spiral.

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[illegible]

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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