

Googolplex Written Out

Wolfgang H. Nitsche

[illegible]

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A diagram showing a circular arrangement of numbers. At the top left, the word "volume" is written. Following it, a series of 9s curves along the top half of the circle. A series of 6s curves along the bottom half of the circle. The sequence ends with the number 5 at the top left, completing the ring.

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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www.GoogolplexWrittenOut.com

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