

Googolplex Written Out

Wolfgang H. Nitsche

A large circle composed of black digits. Starting from the top left and moving clockwise, the digits spell out the word "volume". The remaining part of the circle is filled with the digit "9". The word "volume" is written in a bold, sans-serif font.

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A circular arrangement of the numbers 9, 6, and 0, with the word 'volume' at the top left. The numbers are arranged in a circle, with '9' at the top, '6' on the right, and '0' on the left. The word 'volume' is written in a bold, sans-serif font at the top left of the circle.

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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