

Googolplex Written Out

Wolfgang H. Nitsche

A circular progress indicator consisting of a ring made of small rectangular segments. Most segments are filled black, representing about 90% completion. The number "97" is positioned at the top left of the circle.

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A circular progress indicator consisting of many small segments arranged in a circle. Most segments are filled with black, indicating progress. The number "97" is positioned at the top left of the circle, representing the percentage of completion.

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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