

Googolplex Written Out

Wolfgang H. Nitsche

The image shows a large circle composed of small segments, each containing either a '0' or a '1'. The top-left segment contains the number '15745'. Above the circle, the word "volume" is written in a bold, black, sans-serif font, followed by the number "100". This indicates that the volume is at its maximum level of 100%.

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A circular progress indicator showing approximately 15% completion. The circle is composed of small segments, most of which are black, indicating progress. A few segments at the top are white, representing the remaining volume.

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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www.GoogolplexWrittenOut.com

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