

Googolplex Written Out

Wolfgang H. Nitsche

A circular progress indicator with a black outline. The top-left portion of the circle is filled with solid black, representing approximately 34% completion. The number "73397" is written in a bold, black, monospace font across the upper left part of the circle's interior. Above the circle, the word "volume" is followed by a series of zeros, indicating a maximum or target value.

1.0.1

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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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