

Googolplex Written Out

Wolfgang H. Nitsche

A circular progress indicator with a volume icon and the number 137178. The volume icon is at the top left, and the number 137178 is at the top right. The circle is composed of many small segments, each containing a volume icon. The progress is indicated by the number 137178, which is positioned at the top right of the circle.

1.0.1

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Wolfgang H. Nitsche

Stanford University

volume 1000

137178

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.

[illegible]

Wolfgang H. Nitsche
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www.GoogolplexWrittenOut.com

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