

Googolplex Written Out

Wolfgang H. Nitsche

A large, stylized graphic of a vinyl record. The record is black with a white center. The text "volume 1000" is written in a bold, sans-serif font at the top of the record. In the center of the record, the number "09042" is written in a bold, sans-serif font, oriented vertically. The record has a white border and a white center. The text "volume 1000" is at the top, and "09042" is in the center. The record is tilted slightly to the right.

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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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