

Googolplex Written Out

Wolfgang H. Nitsche

A graphic consisting of two concentric circles formed by a sequence of binary digits (0s and 1s). The outer circle is larger and has the text "volume 1000" written in a bold, sans-serif font at the top left. The inner circle is smaller and has the number "64" written in a bold, sans-serif font at the top left. The circles are composed of a continuous stream of 0s and 1s, with the 1s appearing as small vertical bars and the 0s as small circles. The overall effect is a stylized representation of data or a digital signal.

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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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