

Googolplex Written Out

Wolfgang H. Nitsche

A large, stylized number 9 is formed by a dense arrangement of smaller, black, sans-serif '9' characters. The '9's are arranged in a circular pattern, with the top of the '9' pointing towards the top right. To the left of the top of the large '9', the word 'volume' is written in a bold, black, sans-serif font. The entire graphic is set against a plain white background.

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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www.GoogolplexWrittenOut.com

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