

Googolplex Written Out

Wolfgang H. Nitsche

The image features three concentric circles composed of the digit '9'. The outermost circle is the largest, followed by a medium-sized middle circle, and a small inner circle. In the center of these circles, the numbers '744' are arranged vertically. To the left of the top-left portion of the outer circle, the word 'volume' is written in a bold, black, sans-serif font.

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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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