

Googolplex Written Out

Wolfgang H. Nitsche

A large, stylized number 8 is formed by the digit 9. The top loop of the 8 is composed of 9s, and the bottom loop is also composed of 9s. The word "volume" is written in a bold, black, sans-serif font to the left of the top of the 8. The entire graphic is set against a white background.

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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.

[illegible]

Wolfgang H. Nitsche
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www.GoogolplexWrittenOut.com

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