

Googolplex Written Out

Wolfgang H. Nitsche

A large, black, spiral-shaped graphic composed of the number '9'. The spiral starts from the center and expands outwards in a clockwise direction. In the top-left corner of the image, the word 'volume' is written in a bold, black, sans-serif font. In the center of the spiral, the numbers 3, 4, 5, and 7 are arranged in a small cluster.

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Wolfgang H. Nitsche

Stanford University

volume

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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