

Googolplex Written Out

Wolfgang H. Nitsche

A graphic featuring a spiral shape formed by the digits 6, 9, and 8. The word "volume" is positioned at the top left of the spiral. The spiral starts with the digit 8 in the center and winds outwards, primarily using the digits 6 and 9. The word "volume" is written in a bold, black, sans-serif font. The spiral is composed of a continuous line of these digits, creating a sense of motion and depth. The overall design is minimalist and modern, with a focus on typography and geometric form.

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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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