

Googolplex Written Out

Wolfgang H. Nitsche

A graphic featuring a spiral shape formed by the digits 9, 8, 6, and 5. The spiral starts with a '9' at the top right and winds inward, with the digits transitioning from 9 to 8 to 6 to 5 as they approach the center. The word 'volume' is positioned at the top left of the spiral.

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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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