

Googolplex Written Out

Wolfgang H. Nitsche

A black and white graphic featuring a large spiral composed of the digit '0'. The spiral starts from the center and winds outwards in a clockwise direction. At the top left of the spiral, the text 'volume 10000' is written in a bold, sans-serif font. The number '87' is positioned near the center of the spiral, slightly to the left of the vertical axis.

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A large, thick black spiral composed of the digit '0' starts from the center and expands outwards in a clockwise direction. The spiral is composed of many concentric rings of the digit. At the top left of the image, the text "volume 1000" is written in a bold, black, sans-serif font. In the center of the spiral, the numbers "087" are written in a bold, black, sans-serif font, oriented vertically.

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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Wolfgang H. Nitsche
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www.GoogolplexWrittenOut.com

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