

Googolplex Written Out

Wolfgang H. Nitsche

A graphic featuring a spiral composed of the digits 9 and 6. The spiral starts at the top left with the word "volume" in a bold, black, sans-serif font. The spiral itself is formed by a continuous line of these digits, with 9s and 6s alternating to create a clockwise inward spiral. The digits are black and have a slightly irregular, hand-drawn appearance. The spiral begins with a 9 and continues with a mix of 9s and 6s, eventually forming a dense, circular shape in the center.

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Wolfgang H. Nitsche

Stanford University

[illegible]

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

August 2013

www.GoogolplexWrittenOut.com

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