

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' and the number '9999999999999999'. It then curves downwards and to the right, continuing with '9999999999999999', '9999999999999999', and '9999999999999999'. The spiral continues to curve, showing '9999999999999999', '9999999999999999', and '9999999999999999'. The spiral ends at the bottom right with the number '9999999999999999'. The digits are black and the background is white.

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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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Wolfgang H. Nitsche
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www.GoogolplexWrittenOut.com

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