

Googolplex Written Out

Wolfgang H. Nitsche

[illegible]

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Wolfgang H. Nitsche

Stanford University

A circular progress indicator representing a volume level. The word "volume" is positioned at the top left. The circle is formed by a sequence of digits: "9"s along the upper arc and "6"s along the lower arc. There is a small gap in the "9"s at the top right, indicating that the volume is nearly full but not yet at 100%.

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:

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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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