

Googolplex Written Out

Wolfgang H. Nitsche

A graphic consisting of three concentric circular paths of text. The outermost path starts with the word "volume" at the top left and continues with nine "9"s around the rest of the circle. The middle path starts with eight "6"s and ends with three "7"s. The innermost path starts with seven "6"s and ends with two "1"s.

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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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