

Googolplex Written Out

Wolfgang H. Nitsche

A circular arrangement of the numbers 9, 6, and 4, with the word 'volume' at the top left. The numbers are arranged in a circle, with 9s at the top, 6s at the bottom, and 4s on the left. The word 'volume' is written in a bold, sans-serif font at the top left of the circle.

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Googolplex Written Out

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A circular arrangement of the digits 9, 4, and 3, with the word 'volume' to the left. The digits are arranged in a circle, with '9' repeated 18 times, '4' repeated 2 times, and '3' repeated 1 time. The word 'volume' is written in a bold, sans-serif font to the left of the circle.

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.

However in this "Googolplex Written Out" multivolume set of books, I am doing just that. It consists of 10000000000000000000000000000
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00000 volumes, and each volume contains 1000000 zeros of the number googolplex. The first volume also contains the initial digit one with which googolplex starts.

Wolfgang H. Nitsche
August 2013
www.GoogolplexWrittenOut.com

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