

Googolplex Written Out

Wolfgang H. Nitsche

A circular arrangement of numbers forming a ring. The number '9' appears 28 times around the top half, and the number '6' appears 28 times around the bottom half. The number '7' appears once at the left edge, and '2' and '5' appear once each near the top-left.

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A circular arrangement of numbers forming a ring. The number '9' appears 28 times around the top half, followed by '7', '9', '2', '5', and '2' at the left side.

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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