

Googolplex Written Out

Wolfgang H. Nitsche

A black and white illustration featuring a spiral of small, stylized figures. The figures are arranged in concentric circles, with the text "volume 10000" at the top and "1742" in the center. The figures are small, stylized human-like shapes, possibly representing a crowd or a large number of individuals. The spiral starts from the center and moves outwards, creating a sense of depth and movement. The overall composition is circular and symmetrical, with the text elements providing context for the visual representation.

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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.

[illegible]

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www.GoogolplexWrittenOut.com

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