

Googolplex Written Out

Wolfgang H. Nitsche

A stylized graphic of a vinyl record. The word "volume" is written in a bold, sans-serif font at the top left. The number "10000" is written in a large, bold, sans-serif font at the top right. In the center of the record, the number "916" is written in a large, bold, sans-serif font. The record itself is represented by a thick black line forming a circle, with a smaller circle inside it, creating a track. The background is white.

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A large, stylized number 6 is formed by a dense arrangement of small, rounded, pill-like shapes. The number is oriented vertically, with the top of the '6' at the top of the frame. The text 'volume 1000' is positioned at the top left, above the top of the number 6. The entire graphic is set against a plain white background.

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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