

Googolplex Written Out

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A stylized graphic of a vinyl record. The text "volume 1000000" is written in a bold, black, sans-serif font along the top edge of the record. The text "1910" is written in a similar font along the bottom edge. The record itself is a light gray circle with a black border. The text is arranged in a circular pattern, following the curve of the record's edge.

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]

Wolfgang H. Nitsche
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www.GoogolplexWrittenOut.com

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