

Googolplex Written Out

Wolfgang H. Nitsche

A large graphic of a vinyl record, tilted slightly to the right. The word "volume" is printed in a bold, black, monospace font at the top left. The number "10000" is printed in the same font at the top right. In the center of the record, the number "26992" is printed, rotated 180 degrees so it appears upside down. The record itself is a light gray color with a black outer rim and a black center hole. The overall aesthetic is retro and digital.

1.0.1

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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]

Wolfgang H. Nitsche
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www.GoogolplexWrittenOut.com

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