

Googolplex Written Out

Wolfgang H. Nitsche

A graphic featuring a spiral shape formed by the digits 9 and 6. The spiral starts at the top left with the word 'volume' in a bold, black, sans-serif font. The spiral itself is composed of the digits 9 and 6, with the number 9 appearing more frequently in the outer rings and the number 6 appearing more frequently in the inner rings. The spiral is composed of several concentric rings, with the digits arranged in a way that creates a continuous, flowing path. The overall effect is a dynamic, circular composition that draws the eye inward.

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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.

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