

Googolplex Written Out

Wolfgang H. Nitsche

volume 99979595

Googolplex Written Out

Wolfgang H. Nitsche

Stanford University

volume 99979595

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
August 2013
www.GoogolplexWrittenOut.com

--

--

--

--

--

--

[illegible]

--

--

--

--

--

--

--

page 155

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

page 213

--

--

--

--

--

--

--

--

--

--

--

[illegible]

--

--

page 255

--

--

--

--

page 262

--

[illegible]

--

[illegible]

--

--

--

--

--

--

--

--

--

--

page 314

[illegible]

--

--

--

--

--

--

--

--

--

page 340

--

--

--

[illegible]

--

--

--

--

--

--

--

--

--

--

--

[illegible][illegible]

(This page is intentionally left blank.)