

Googolplex Written Out

Wolfgang H. Nitsche

volume 100009204

Googolplex Written Out

Wolfgang H. Nitsche

Stanford University

volume 100009204

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

--

--

--

--

--

--

--

--

--

page 23

page 25

--

--

[illegible]

--

--

--

--

--

--

--

--

--

--

--

--

--

page 107

--

--

--

page 121

--

page 127

page 128

--

--

--

--

--

--

page 138

--

page 147

[illegible]

--

--

--

--

--

--

--

[illegible]

--

--

--

--

--

--

--

--

--

--

--

[illegible]

--

--

--

page 211

[illegible]

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

[illegible]

--

[illegible]

--

--

--

--

[illegible]

--

--

--

--

--

--

--

--

--

--

--

--

--

--

page 370

[illegible]

--

--

page 380

--

--

--

--

--

--

--

--

--

--

--

--

--

[illegible][illegible]

(This page is intentionally left blank.)