

Googolplex Written Out

Wolfgang H. Nitsche

volume 89022

Googolplex Written Out

Wolfgang H. Nitsche

Stanford University

volume 89022

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 13

[illegible]

--

page 16

[illegible]

--

[illegible]

--

--

--

--

--

--

--

--

--

--

--

--

--

[illegible]

--

--

--

--

--

--

--

--

--

--

--

[illegible]

--

--

--

--

--

--

[illegible]

page 90

[illegible]

[illegible]

--

--

[illegible]

--

--

--

--

--

--

[illegible]

--

page 117

--

--

--

--

--

--

--

--

[illegible]

--

--

--

--

--

--

--

--

--

--

[illegible]

--

--

--

[illegible]

--

--

--

--

--

--

--

--

--

--

page 244

--

--

--

--

--

--

--

--

--

--

--

--

page 273

--

--

--

--

--

--

[illegible]

--

[illegible]

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

page 362

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

[illegible]

--

--

--

--

--

--

--

--

--

--

[illegible][illegible]

(This page is intentionally left blank.)