

Googolplex Written Out

Wolfgang H. Nitsche

volume 88922

1.0.1

Googolplex Written Out

Wolfgang H. Nitsche

Stanford University

volume 88922

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 10

page 14

--

[illegible]

page 18

[illegible]

page 20

--

--

[illegible]

--

--

--

[illegible]

--

--

--

--

[illegible]

[illegible]

--

--

--

--

--

page 44

--

[illegible]

--

--

[illegible]

[illegible]

page 57

--

--

[illegible]

--

page 71

--

--

--

--

--

--

--

--

--

page 90

--

[illegible]

--

--

--

--

--

--

--

--

--

[illegible]

--

--

page 117

--

--

page 121

--

[illegible]

--

--

page 127

--

[illegible]

--

--

--

--

--

[illegible]

--

--

--

--

--

--

--

[illegible]

page 155

--

page 157

--

--

--

--

--

--

--

--

--

--

page 177

--

--

--

--

--

--

--

--

--

--

--

[illegible]

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

--

[illegible]

page 255

--

--

--

--

--

--

--

--

--

--

--

--

page 287

--

--

--

--

--

--

--

--

--

page 304

--

--

--

--

--

--

--

--

--

--

--

--

--

--

page 354

--

--

--

--

--

--

--

--

--

--

--

--

page 401

[illegible]

page 403

(This page is intentionally left blank.)