

Googolplex Written Out

Wolfgang H. Nitsche

volume 99980669

1.0.1

Googolplex Written Out

Wolfgang H. Nitsche

Stanford University

volume 99980669

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]

--

[illegible]

page 18

--

--

--

[illegible]

--

[illegible]

[illegible]

[illegible]

page 76

[illegible]

--

--

page 86

--

page 88

page 92

--

[illegible]

--

--

page 99

--

page 106

--

--

page 111

page 113

--

--

--

--

--

--

--

[illegible]

--

page 134

page 135

--

page 139

--

--

--

--

--

page 148

[illegible]

--

--

--

--

--

--

--

[illegible]

--

page 233

--

--

[illegible]

--

--

--

[illegible]

--

--

page 277

[illegible]

[illegible]

[illegible]

--

[illegible]

[illegible]

--

--

page 291

--

--

--

--

--

[illegible]

--

[illegible]

--

--

page 341

--

[illegible]

--

--

page 375

--

--

page 381

--

[illegible]

--

--

--

page 402

(This page is intentionally left blank.)