

Googolplex Written Out

Wolfgang H. Nitsche

volume 100007413

1.0.1

Googolplex Written Out

Wolfgang H. Nitsche

Stanford University

volume 100007413

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 6

--

page 11

--

[illegible]

page 15

--

--

--

--

--

[illegible]

[illegible]

--

--

--

--

--

page 31

page 33

--

page 35

--

--

--

[illegible]

[illegible]

[illegible]

[illegible]

--

--

page 52

--

page 121

page 123

--

page 125

[illegible]

[illegible]

--

page 130

--

page 132

page 133

--

--

--

[illegible]

--

page 156

--

[illegible]

--

--

--

page 191

--

--

--

--

[illegible]

--

--

page 217

--

page 220

--

page 222

--

--

[illegible]

--

--

--

--

--

--

page 253

--

--

--

page 263

[illegible]

page 266

--

--

--

--

[illegible]

[illegible]

--

page 337

--

page 377

--

[illegible]

--

page 382

--

--

--

--

[illegible][illegible]

