

1 There is Only one

In their 1985 single, “One Vision”, the British rock band *Queen* outlined the following research program:

So give me your hands, give me your hearts
 I’m ready!
 There’s only one direction
 One world and one nation
 Yeah, one vision

– Queen, “One Vision”

1 Foundations

Definition 1.1. For anyone,

$1 + 1 = 1$
 $1 - 1 = 1$
 $1 \div 1 = 1$
 $1 \times 1 = 1$

There is only one function, and it is 1-to-1.

$f(1) = 1$

and one relation: $1 = 1$

1 Calculus

Theorem 1.1. *Every sequence converges.*

Proof. Consider a sequence: $1, 1, \dots$ $\forall \epsilon = 1$, we have:

$|1 - 1| = |1| = 1 = \epsilon$ □

Corollary 1.1. *Every series converges.*


This is left as an exercise to the reader.

1 Algebra

There is only one group. Hey look! It's your friend group!

You

The one ring.



Did you miss it?
 Thanks for calling.

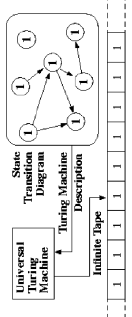
There is only one

A zine for those who want to become one with one.

“One One” was a racehorse,
 “One Two” was one too.
 “One One” won one race.
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1 Complexity

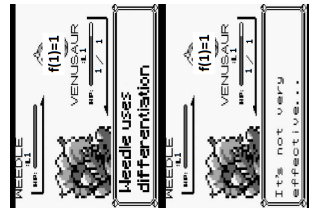
One makes computers more efficient if one removes the useless 0's between the 1's.
 Here's a turing machine:



Corollary 1.1. *The halting problem is solvable.*

Proof. Halt at 1. □

1 Derivatives

$$\frac{1}{\lim_{h \rightarrow 0} \frac{f(1) - f(1-h)}{h}} = f'(1)$$


1 Topology and Geometry

Here is a true statement:

There exist two manifolds, M^m and N^n with $n > m$,
 but $N = M \setminus \{*\}$

Here is another true statement

All manifolds are isomorphic.

Q:What do you call an empty manifold?
A:Pointless.

