

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”

Today, there is only one.

1 Section One

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:
 $1, 1, \dots$ let $\varepsilon = 1$. Trivially,

$$|1 - 1| = |1| = 1 = \varepsilon$$



Corollary 1.2. *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.

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

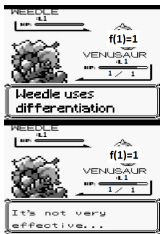
“ All manifolds are
isomorphic. ”

Q:What do you call an empty manifold?

A:Pointless.

1 Derivatives

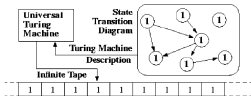
$$f'(1) = \lim_{h \rightarrow 1} \frac{f(h+1) - f(1)}{1}$$



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 not sure what goes
here

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