

Re: Cantor's definition of set

Source: <http://sci.tech--archive.net/Archive/sci.logic/2007-10/msg00909.html>

- *From:* MoeBlee <jazzmobe@xxxxxxxxxxxx>
 - *Date:* Fri, 26 Oct 2007 13:37:53 -0700
-

On Oct 26, 1:29 pm, John Jones <jonescard...@xxxxxxx> wrote:

On Oct 26, 2:59?am, G. Frege <nomail@invalid> wrote:

1,2,3,4,5... is often portrayed as numbers. But aren't they examples of the signs we use to portray numbers, and aren't these signs simply arranged in a sequence and not numbers after all? For I cannot use 1,2,3,4 ... mathematically. 1,2,3,4 ... does not occur in any mathematical calculation. I can find 1, and 2 and 3 and 4 in a calculation, but in finding them don't I merely find the signs and not the numbers themselves? What I am saying is, you can't pull a number out of the application that generates it. It would seem, if this is true, that a set of numbers is an impossibility.

'2' is a numeral. 2 is a number.

I don't see your difficulty with this.

The second major problem which simply won't go away, is this: A set is the concept of a particular collection or group.

Maybe you should distinguish between whether it's a concept of a collection or whether it IS the collection.

At least I have seen a set described as either a collection or a group. Now a collection does not support sequence: in fact if a collection could be a sequence, it would be a sequence and not a collection.

No, that just doesn't follow. A sequence is a certain KIND of set. There's no conflict in a set being of a certain KIND.

Re: Cantor's definition of set

Don't get me wrong here. I can have a set of sequences, but the the set itself, on its own merits, cannot support a sequence. I must establish the presence of a sequence independently of its membership in a set.

I dont' see any reason we MUST do that. We prove that f is a sequence by proving that it has the property mentioned in the definition of 'sequence', and that definition ultimately reverts to the sole primitive 'e'.

This,
I advance, is another reason why I cannot have a set of numbers.
Numbers in a collection are like numerals in a sack, like lottery
'numbers'

I don't envy you the knots you've tied yourself in.

MoeBlee

.