

Re: INFINITY Revisited

Source: <http://sci.tech--archive.net/Archive/sci.math/2005-09/msg01378.html>

- *From:* Virgil <ITSnetNOTcom#virgil@xxxxxxxxxxx>
 - *Date:* Tue, 06 Sep 2005 23:02:42 -0600
-

In article <1126049121.476124.178460@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>, "Don Whitehurst" <whit0911@xxxxxxx> wrote:

- > Dave Seaman wrote:
- >
- >>
- >> There is no ball that is added at noon. Noon is simply the
- >> earliest time at which we can say all the balls have been added.
- >>
- >
- > Are you then saying that by noon an infinite number of balls have
- > been added?
- >
- > If so, by noon an infinite number of balls have been added: where
- > they were added many at a time during each interval and where one
- > ball is immediately removed for each of the infinite nth time
- > intervals corresponding to the infinite number of naturals.
- >
- > Clearly, this should be impossible since there is no last natural.
- > Similarly there is no time before noon when all of the balls could
- > have been added.
- >
- > Nevertheless, if one assumes that by noon an infinite number of balls
- > have been added (where the balls were added many at a time during
- > each interval and where one ball was immediately removed for each of
- > the infinite nth time intervals (before noon) corresponding to the
- > infinite number of naturals associated one each with the removal of
- > the balls), I believe it follows that balls with an infinite number
- > of digits must also have been added.

Since no natural number has more than finitely many digits in any n-ary representation, where do those infinitely many digitized balls come from? They cannot come from any natural number!

.

- *References:*
 - ◆ *Re: INFINITY Revisited*

Re: INFINITY Revisited

◇ *From:* Don Whitehurst

◆ ***Re: INFINITY Revisited***

◇ *From:* Dave Seaman

◆ ***Re: INFINITY Revisited***

◇ *From:* Don Whitehurst

- Prev by Date: ***Re: How to calculate two curves equidistant from a given curve?***
- Next by Date: ***Re: How to calculate two curves equidistant from a given curve?***
- Previous by thread: ***Re: INFINITY Revisited***
- Next by thread: ***Re: INFINITY Revisited***
- Index(es):
 - ◆ ***Date***
 - ◆ ***Thread***