

Re: Well Ordering the Reals

Source: <http://sci.tech-archive.net/Archive/sci.math/2005-12/msg01720.html>

- *From:* "David R Tribble" <david@xxxxxxxxxxx>
 - *Date:* 7 Dec 2005 18:22:07 -0800
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William Hughes wrote:

>> Your notation is incomplete. Given a "number" in your notation
>> you cannot tell what this "number" is without more information.
>> Nor have you demonstrated that this incomplete notation
>> is useful.
>

David R Tribble said:

>> Indeed. Tony, I have two numbers:
>> a = 0:111...110
>> and
>> b = 0:111...110
>> but a is not equal to b. Which one is larger?
>

Tony Orlow wrote:

> The one with the larger limit point. What are your limit points? How many bits
> ya got in each? This should concern you.

So you're saying that your notation does not convey sufficient information to distinguish

0:111...110
from
0:111...110

Additional information must be given, but your notation does not provide a way to do this. That was William's point.

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- *References:*
 - ◆ ***Re: Well Ordering the Reals***
◇ *From:* William Hughes
 - ◆ ***Re: Well Ordering the Reals***
◇ *From:* Tony Orlow
 - ◆ ***Re: Well Ordering the Reals***
◇ *From:* William Hughes

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- Prev by Date: **Re: probability problem**
- Next by Date: **Re: FLT an incurable, unending addiction**
- Previous by thread: **Re: Well Ordering the Reals**
- Next by thread: **Re: Well Ordering the Reals**
- Index(es):
 - ◆ **Date**
 - ◆ **Thread**