

Re: abundance of irrationals!

Source: <http://sci.tech--archive.net/Archive/sci.math/2005-05/msg02696.html>

- *From:* Virgil <ITSnetNOTcom#virgil@xxxxxxxxxxx>
 - *Date:* Fri, 13 May 2005 13:47:19 -0600
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In article <MPG.1ceea621fe0d3b63989c3a@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>, Tony Orlow (aeo6) <aeo6@xxxxxxxxxxx> wrote:

> Virgil said:
>> In article <MPG.1ced3bf54b70fa1e989c2c@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>, Tony Orlow (aeo6) <aeo6@xxxxxxxxxxx> wrote:
>>
>>>> I didn't disagree that the branches (or paths, as I
>>>> called them) are infinitely long. Our disagreement
>>>> is this: you think this invalidates my earlier claim
>>>> (that each node in the tree is represented by a finite
>>>> path) and I do not.
>>> if a branch is infinitely long, how long is the string of bits that
>>> specifies
>>> the node at the end (or finitely close to the end) of that branch? If the
>>> node
>>> is infinitely far down a branch, it requires infinite bits, one for each
>>> fork.
>>
>> But no nodes are "infinitely far" down a branch. That is the same error
>> that TO makes with naturals, assuming that there has to be an infinite
>> one. Apparently he does not learn from his mistakes.
>>
> You said the branches extend infinitely far from the root, but each branch is
> bounded by two nodes. Are those nodes, to the near and far side of that
> infinitely far away branch, both finitely far from the root,

Yes!

> and both closer
> than the branch they define?

NO, each node (except the root node) is at the farther end of the branch which extends to it.

> This makes absolutely no sense.

Does to me. That you cannot think your way out of a wet paper sack, does

not impose any constraints on others.

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- ◆ [Re: abundance of irrationals!](#)
◇ From: ae06

• *References:*

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◇ From: Virgil
- ◆ [Re: abundance of irrationals!](#)
◇ From: mueckenh
- ◆ [Re: abundance of irrationals!](#)
◇ From: Randy Poe
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◇ From: mueckenh
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