

Re: What is the relation between Cauchy sequence and convergent sequence?

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- *From:* magidin@xxxxxxxxxxxxxxxxxxxx (Arturo Magidin)
 - *Date:* Tue, 1 Nov 2005 20:27:14 +0000 (UTC)
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In article <dk8j1a\$5to\$1@xxxxxxxxxxxxxxxxxxxxxxxx>, Robert Israel <israel@xxxxxxxx> wrote:
>In article <1130875683.538294.27700@xxxxxxxxxxxxxxxxxxxxxxxx>, >lucy <losemind@xxxxxxxx> wrote:
>
>>"Depends on your definition of "trivial". Take as a metric space the >>subspace of R given by [0,1] U [2,3] with the usual induced >>metric. Then both [0,1] and [2,3] are open in R, both nontrivial, and >>both complete. In this case, the two sets are clopen (both open and >>closed), of course, so maybe you want to throw those into your >>definition of "trivial."
>>
>>-->[0, 1] and [2, 3] are closed in R, right?
>
>He meant to say "open in the metric space", not "open in R".

Oops. Quite right. Thank you for the correction.

"It's not denial. I'm just very selective about what I accept as reality."
----- Calvin ("Calvin and Hobbes")

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- *Follow-Ups:*
 - ◆ *Re: What is the relation between Cauchy sequence and convergent sequence?*
 - ◇ *From:* lucy
 - *References:*

Re: What is the relation between Cauchy sequence and convergent sequence?

◆ **What is the relation between Cauchy sequence and convergent sequence?**

◇ From: lucy

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◇ From: Arturo Magidin

◆ **Re: What is the relation between Cauchy sequence and convergent sequence?**

◇ From: lucy

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◇ From: Robert Israel

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