

Re: f continuous on [a,b] and differentiable on (a,b)–

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- *From:* rouben@xxxxxxxxxxxxxxxxxxxx (Rouben Rostamian)
 - *Date:* Sat, 7 Jan 2006 02:39:29 +0000 (UTC)
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In article <1136597302.213639.221800@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>, <deniz.bahar@xxxxxxxx> wrote:

>

>One other question. It goes without saying that if a function is differentiable on (a,b) it must be continuous on [a,b]. So why do theorems like Mean Value state the continuous hypothesis separately?

The function $f(x) = 1/x$ is differentiable on (0,1). Is it continuous on [0,1]?

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Rouben Rostamian

• *References:*

- ◆ *f continuous on [a,b] and differentiable on (a,b)*
◇ *From:* deniz . bahar
- ◆ *Re: f continuous on [a,b] and differentiable on (a,b)–*
◇ *From:* JEMebius
- ◆ *Re: f continuous on [a,b] and differentiable on (a,b)–*
◇ *From:* G. A. Edgar
- ◆ *Re: f continuous on [a,b] and differentiable on (a,b)–*
◇ *From:* deniz . bahar

- Prev by Date: *Tough PDE*
- Next by Date: *Re: Finite measure*
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