

# Re: A set containing a nonempty open interval

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  - *Date:* 26 Aug 2005 13:51:11 -0700
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OK, the word "open" can be omitted. The problem is: If a set  $A$  has positive Lebesgue measure, then show that  $(A + A)/2 = \{(x + y)/2 \mid x \text{ and } y \text{ are in } A\}$  contains an interval (assuming intervals are non empty sets).

Amanda

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• *References:*

- ◆ *A set containing a nonempty open interval*  
◇ *From:* Amanda
  - ◆ *Re: A set containing a nonempty open interval*  
◇ *From:* Keith A. Lewis
  - ◆ *Re: A set containing a nonempty open interval*  
◇ *From:* A N Niel
  - ◆ *Re: A set containing a nonempty open interval*  
◇ *From:* Keith A. Lewis
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