

Pre-semester

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EVERY TIME you turn on an iClicker you must set the frequency!

- Press & HOLD power (blue light *flashes*)
- Key in CB (OUR code, all term)
- Brief green Status flash confirms!  
(Blue light steady)

(You can do this only *while I'm collecting votes*)

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Have you ever used an iClicker before, in a class?

- A) Yes
- B) No

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Do you have an Iclicker to use for this term?

- A) Yes, I do!
- B) Not yet

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Have you looked at the 3310 course web page yet?

- A) Yes
- B) Not yet

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Chapter 1

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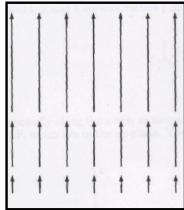
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What is the divergence and curl of this vector field in the region shown?



- A) non-zero divergence, but zero curl.
- B) zero divergence, but non-zero curl.
- C) non-zero divergence, and non-zero curl.
- D) zero divergence, and zero curl.
- E) Impossible to predict, you need a formula!

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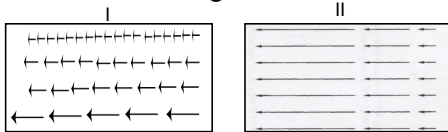
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Which of the following two fields has zero divergence?



- A) Both do
- B) Only I is zero
- C) Only II is zero
- D) Neither is zero
- E) ??

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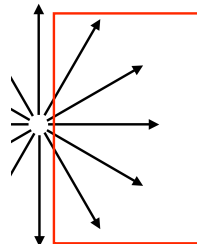
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What is the divergence of this vector field *in the boxed region*?

- A) Zero
- B) Not zero
- C) Not enough info




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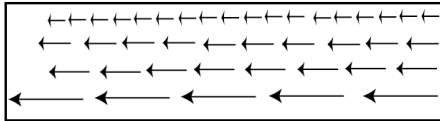
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What is the divergence of this vector field, in the region shown below?



- A) Divergence is zero everywhere
- B) Divergence is non-zero everywhere
- C) Divergence is non-zero, but only at certain special points
- D) We need a formula to decide for sure

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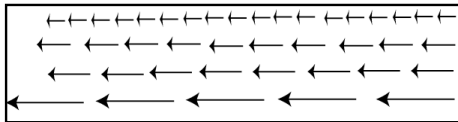
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What is the curl of this vector field, in the region shown below?



- A. non-zero everywhere
- B. Non-zero at a limited set of points
- C. zero curl everywhere
- D. We need a formula to decide for sure

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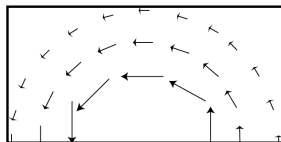
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What is the curl of this vector field, in the region shown below?



- A. non-zero everywhere
- B. Non-zero at a limited set of points
- C. zero curl everywhere shown
- D. We need a formula to decide for sure

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