## Green's Theorem

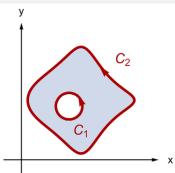


## Question

True or False? If  $\vec{F}=P\vec{i}+Q\vec{j}$  has scalar curl  $\frac{\partial Q}{\partial x}-\frac{\partial P}{\partial y}=0$  in the first quadrant and  $C_1$  and  $C_2$  are the curves shown, then

$$\int_{C_1} \vec{F} \cdot d\vec{r} = \int_{C_2} \vec{F} \cdot d\vec{r}.$$

- A. True, and I am confident
- B. True, but I am not confident.
- C. False, but I am not confident.
- D. False, and I am confident.



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