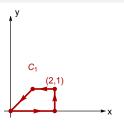
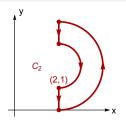
Green's Theorem

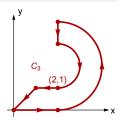


Question

The figures show 3 curves in the plane. If L is the line segment from (2,0) to (2,1), which of the formulas computes $\int_{C_2} \vec{F} \cdot d\vec{r}$?







- A. $\int_{C_1} \vec{F} \cdot d\vec{r} + \int_{C_2} \vec{F} \cdot d\vec{r}$
- B. $\int_{C_1} \vec{F} \cdot d\vec{r} + \int_{C_2} \vec{F} \cdot d\vec{r} + \int_L \vec{F} \cdot d\vec{r}$
- C. $\int_{C_1} \vec{F} \cdot d\vec{r} + \int_{C_2} \vec{F} \cdot d\vec{r} + 2 \int_L \vec{F} \cdot d\vec{r}$
- D. There is not enough enough information.

A. Caine, B. N. Givens, I. Mihaila ConcepTests for Calculus 92/144