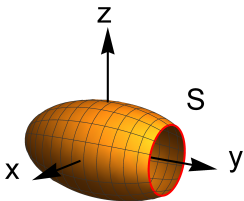


## Question

True or False? Suppose  $\vec{F}$  is a conservative vector field on  $\mathbb{R}^3$ . Then  $\iint_S \text{curl}(\vec{F}) \cdot d\vec{S} = 0$  for the surface  $S$  with the outward orientation.



- 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.