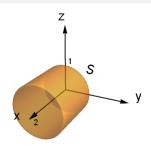


Question

If $\vec{F}=2x\vec{i}+x\vec{j}$ and \vec{G} is a vector field on \mathbb{R}^3 , compute $\iint_S (\vec{F}+\mathrm{curl}(\vec{G}))\cdot \vec{n}\,dS$ over the outward oriented closed cylinder shown.



- A. 2π
- B. 4π
- C . -2π
- D. There is not enough information.