

# Global exercise - GUE11

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Content covered:

- ✓ Analysis: Review line integral of the first kind and second kind
- ✓ Analysis: Surface integral of the first kind (scalar field)
- ✓ Analysis: Surface integral of the second kind (vector field)
- ✓ Analysis: Gauss's theorem

## 1 Analysis: Surface integral of the first kind

**Example 1.** *Examine*

Approach:

## 2 Evaluation