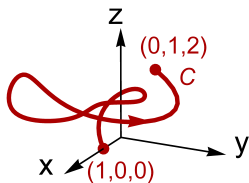


The Fundamental Theorem



Question

Determine the sign of the line integral

$$\int_C 2xyz \, dx + x^2z \, dy + x^2y \, dz$$

over the space curve shown in the figure.

- A. Positive
- B. Zero
- C. Negative
- D. There is not enough information.