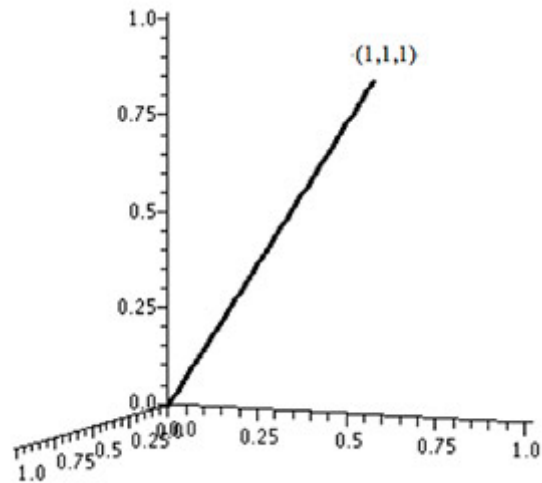


[13.2] - Scalar Line Integrals

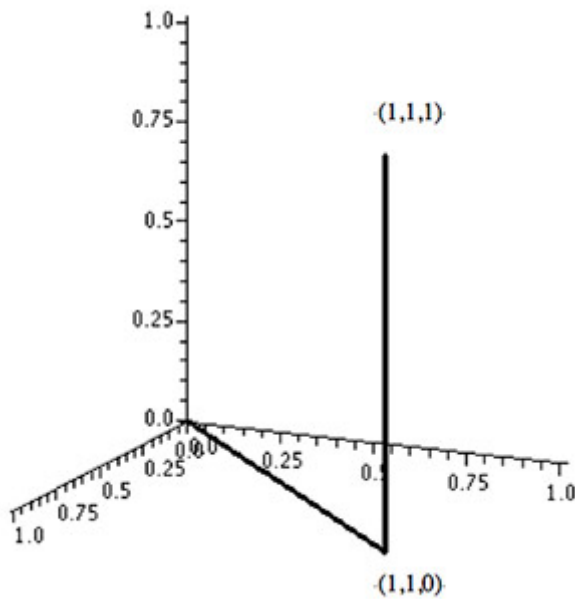
1. Let $f(x, y, z) = x - 3y^2 + z$.

Integrate f over the line segment C joining the origin $(0, 0, 0)$ and the point $(1, 1, 1)$.



2. Let $f(x, y, z) = x - 3y^2 + z$.

Integrate f over the 2-segment path shown joining the origin $(0, 0, 0)$ and the point $(1, 1, 1)$.



Answers