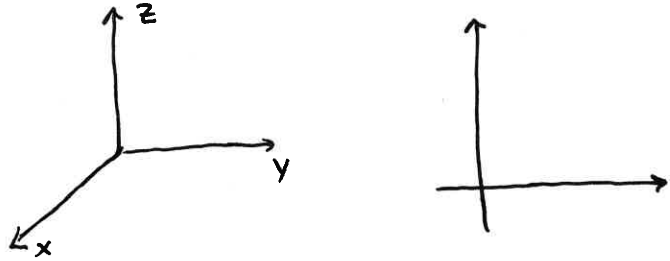


Where we've been (16.1-16.7) and where we're going (16.8-16.9)

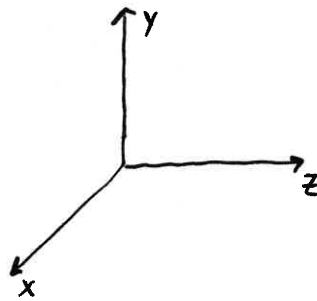
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Line Integrals:

- Scalar function



- Vector Function



Theorems

①  $\vec{F}$  Conservative | Line Integrals with vector functions

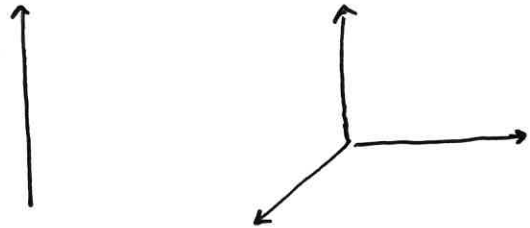
②  $\vec{F}$  Not Conservative | Line Integrals with vector function (2 vars)

# Where we've been and where we're going

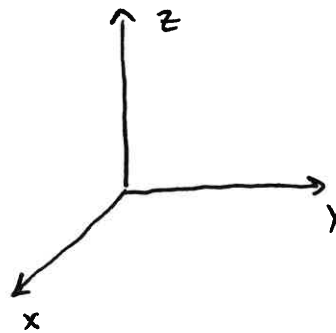
MVC

## Surface Integrals:

- Scalar functions



- Vector Functions



## Theorems

- ③  $\vec{F}$  not Conservative | Line Integrals with Vector Functions (3 vars)
- ④  $\vec{F}$  Not Conservative | Surface Integrals with Vector Functions