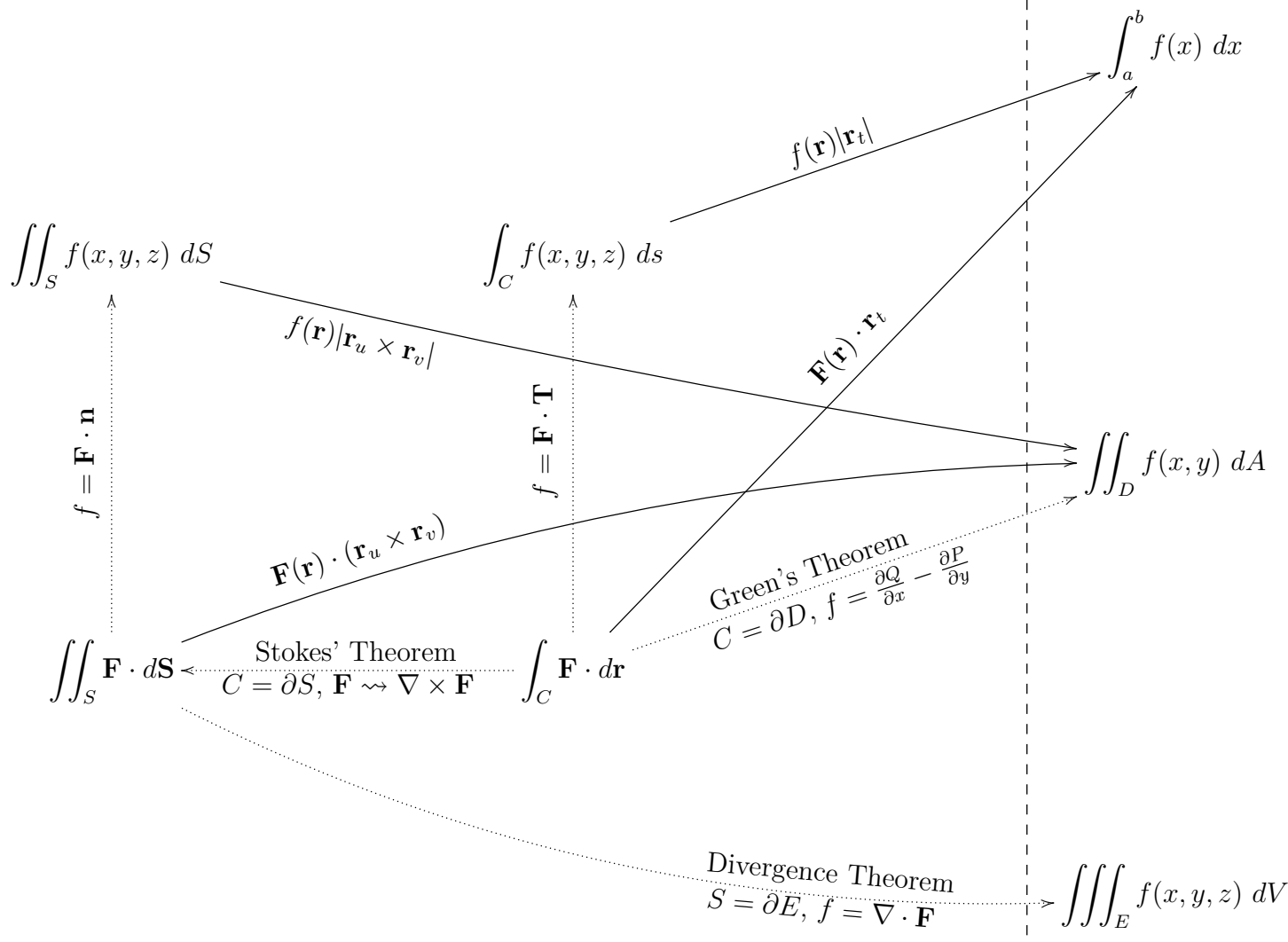


integrals over parameterized domains

standard integrals

change of variables



*u*-substitution

polar, transformations

cylindrical, spherical, transformations

parameterize  $S$   
 $\mathbf{r}(u, v)$   
 domain:  $D$

parameterize  $C$   
 $\mathbf{r}(t)$   
 domain:  $a \leq t \leq b$