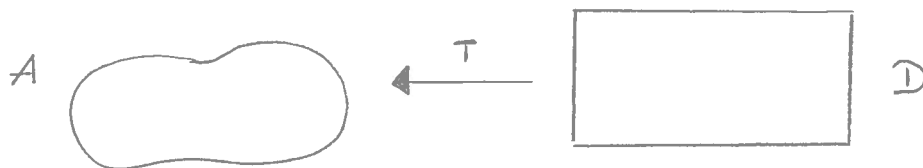


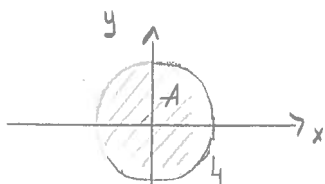
REPETITION 12/03

Change of variables in double integrals

$$\iint_A f(x,y) d(x,y) = \iint_D f(T(u,v)) |\det T'(u,v)| d(u,v)$$



Example



Compute

$$\iint_A e^{x^2+y^2} d(x,y)$$