

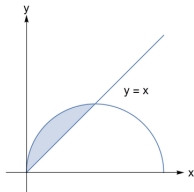
# Double Integrals in Polar Coordinates



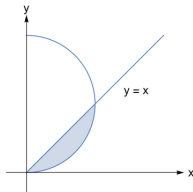
## Question

The integral  $\int_0^{\pi/4} \int_0^{2 \sin \theta} r \, dr \, d\theta$  is a double integral over which of the regions below?

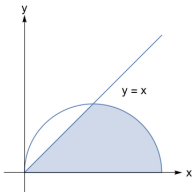
A.



B.



C.



D.

