

Rectangular	Cylindrical	Spherical
$x$	$x = r \cos \theta$	$x = \rho \sin \varphi \cos \theta$
$y$	$y = r \sin \theta$	$y = \rho \sin \varphi \sin \theta$
$z$	$z = z$	$z = \rho \cos \varphi$
$dx dy dz$	$dz r dr d\theta$	$\rho^2 \sin \varphi d\rho d\varphi d\theta$