

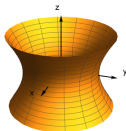
# Parametric Surfaces



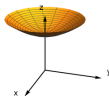
## Question

If  $x = r \cos \theta$ ,  $y = r \sin \theta$ ,  $z = -\sqrt{r^2 + 1}$  with  $0 \leq r \leq 1$  and  $0 \leq \theta \leq 2\pi$ , then which figure shows the parametric surface?

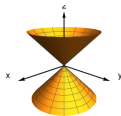
A.



B.



C.



D.

