

球的标准方程:

$$x^2 + y^2 + z^2 = 10$$

球的参数方程:

$$x = r \sin \varphi \cos \theta$$

$$y = r \sin \varphi \sin \theta$$

$$z = r \cos \varphi$$

$$0 \leq \theta \leq 2\pi \quad 0 \leq \varphi \leq \pi$$