from trigonometry import sin, cos

$$x(\theta, \phi) = \begin{bmatrix} R \cdot cos(\theta) \cdot cos(\phi) \\ R \cdot sin(\theta) \cdot cos(\phi) \\ R \cdot sin(\phi) \end{bmatrix}$$

where

- $\phi \in \mathbb{R}$ :angle between 0 and 2π
- $\theta \in \mathbb{R}$ :angle between -π/2 and π/2
- $R \in \mathbb{R}$ :the radius of the sphere