from trigonometry import sin, cos

$$x(\theta, \phi) = \begin{bmatrix} Rcos(\theta)cos(\phi) \\ Rsin(\theta)cos(\phi) \\ Rsin(\phi) \end{bmatrix}$$

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