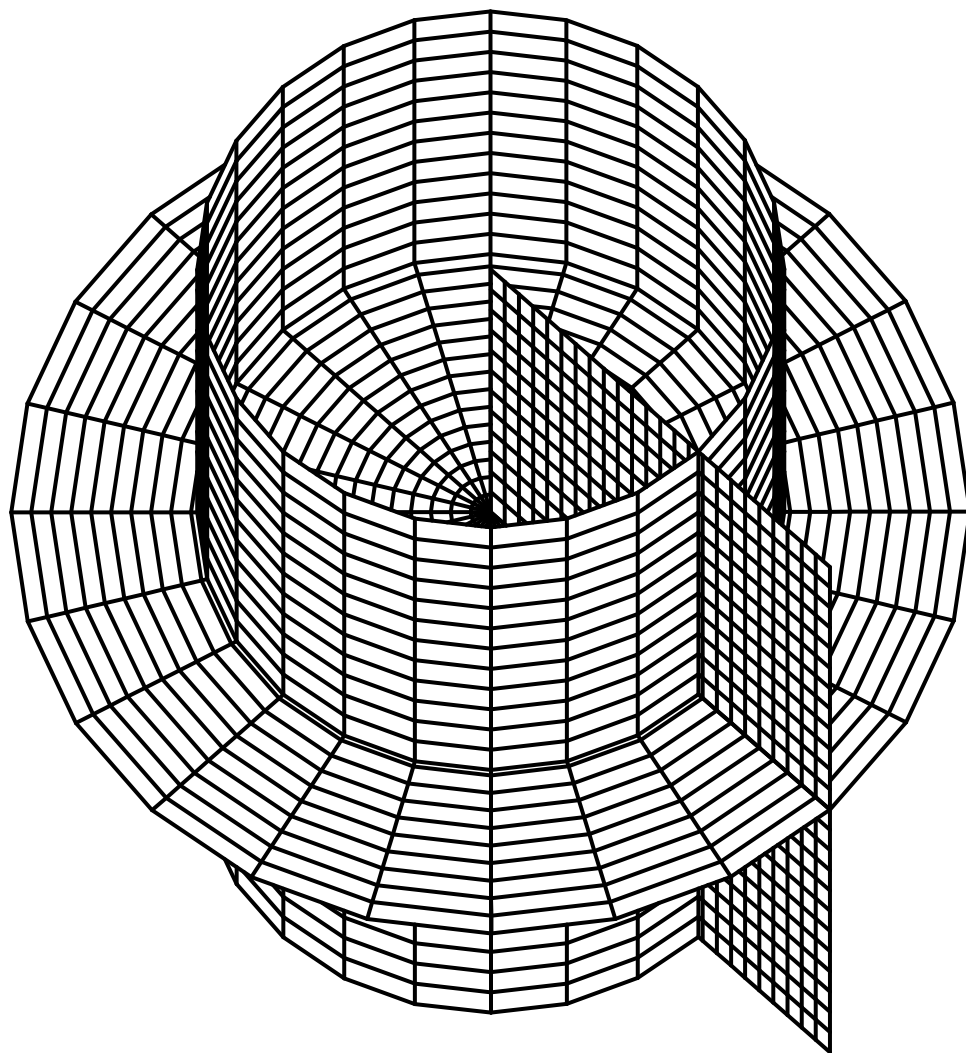


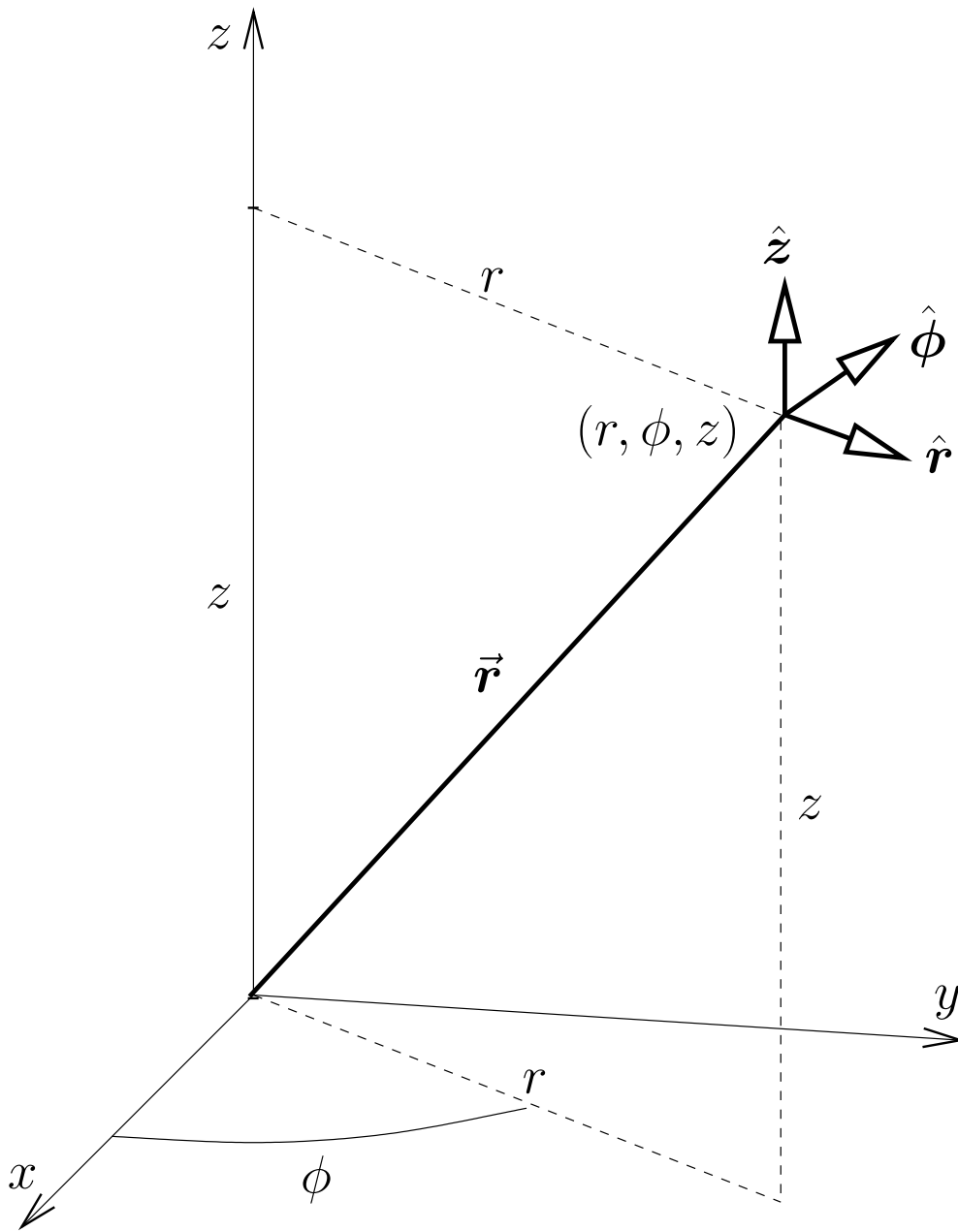
Cylindrical Coordinates

$$x = r \cos \phi$$

$$y = r \sin \phi$$

$$z = z$$



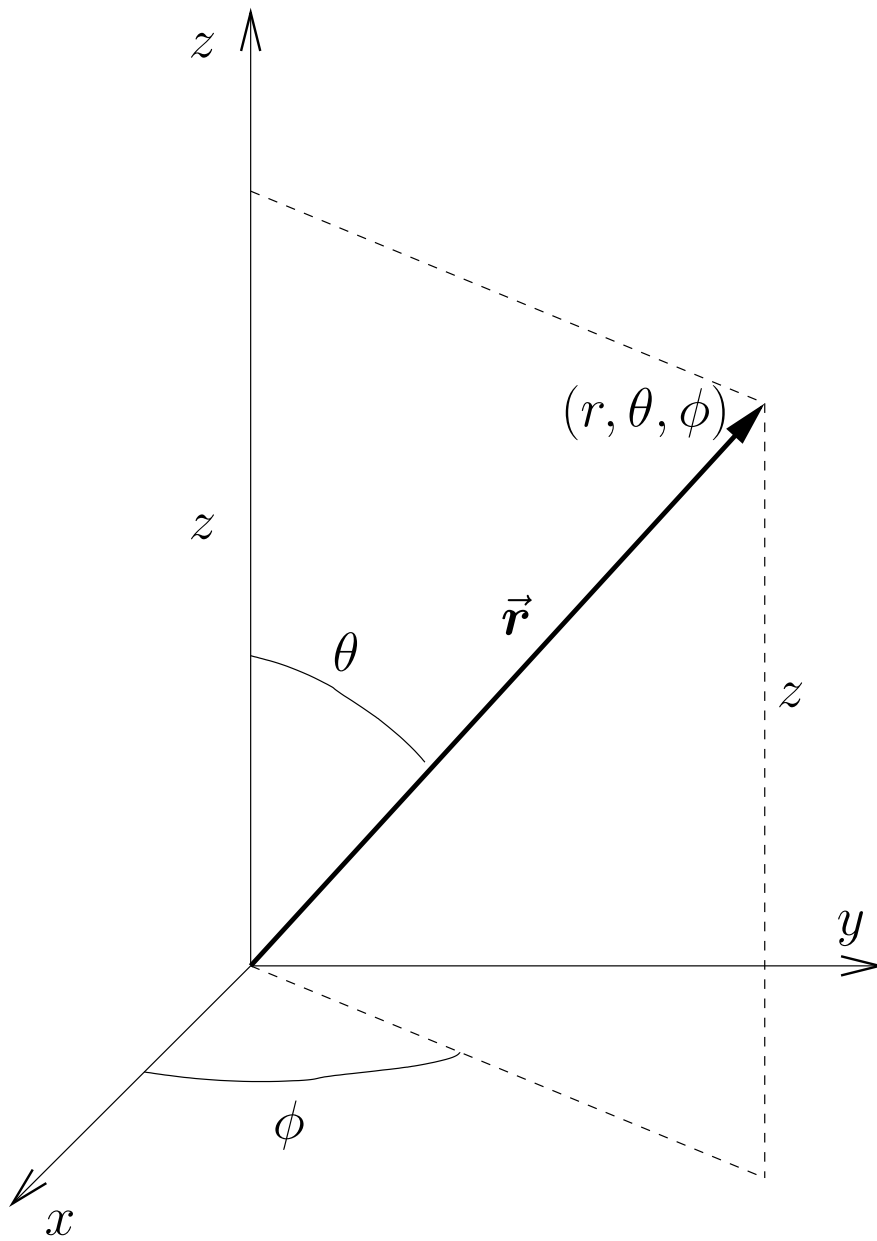


Cylindrical Coordinates

$$x = r \cos \phi$$

$$y = r \sin \phi$$

$$z = z$$

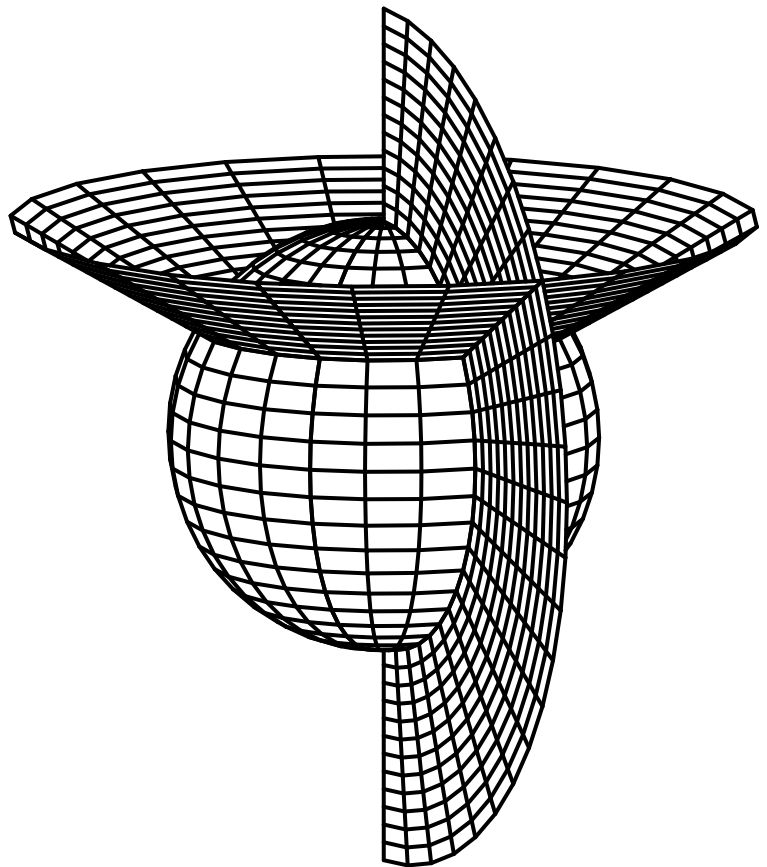


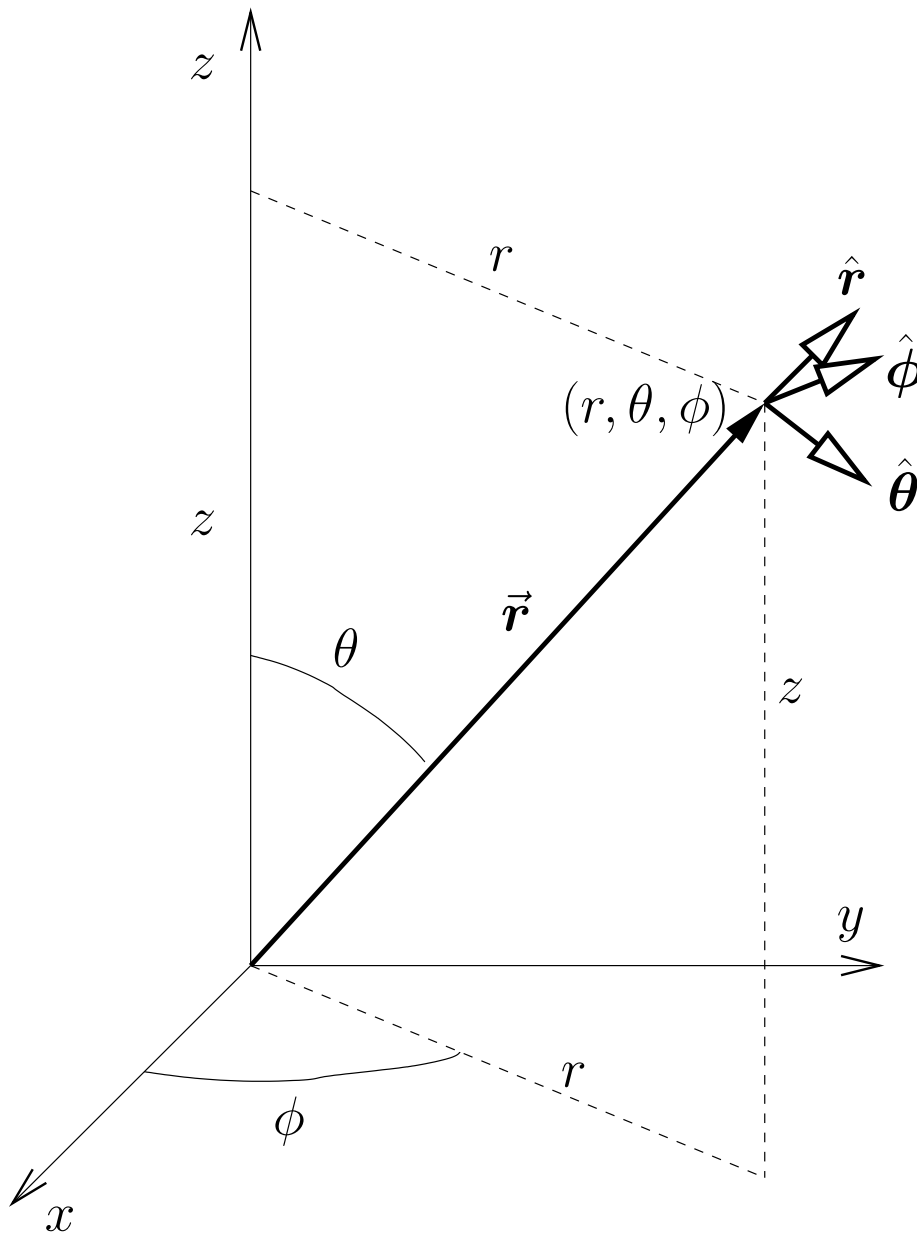
Spherical Coordinates

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

$$y = r \sin \theta \sin \phi$$

$$z = r \cos \theta$$





Spherical Coordinates

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

$$y = r \sin \theta \sin \phi$$

$$z = r \cos \theta$$