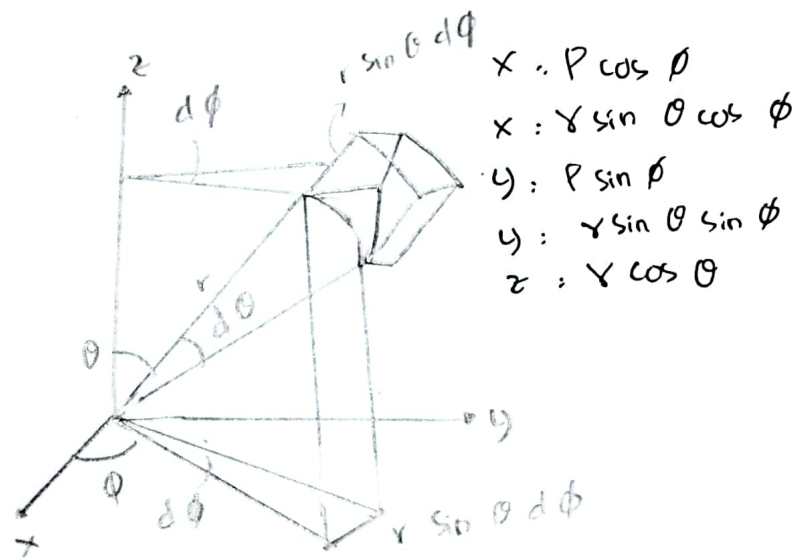
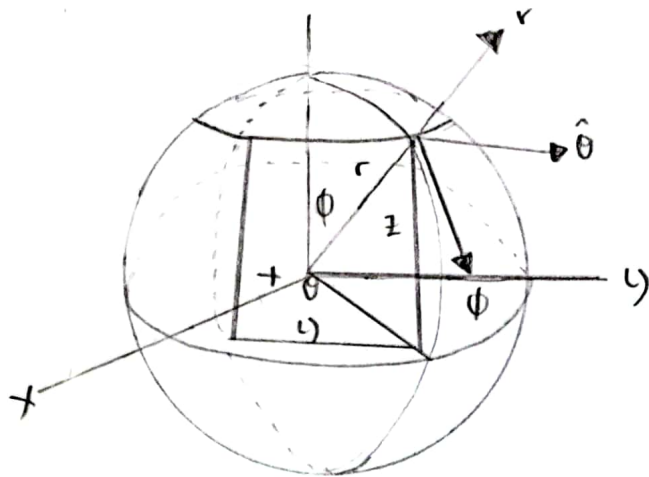


Nama: Elpin Nurul Rahmayani
Npm: 2013022030

• Koordinat bola (P, θ, ϕ)



$$\begin{aligned}x &= P \cos \theta \\x &= r \sin \theta \cos \phi \\y &= P \sin \theta \\y &= r \sin \theta \sin \phi \\z &= r \cos \theta\end{aligned}$$

$$\begin{aligned}r \sin \theta d\phi \\ \sin \theta d\phi &= \frac{x'}{r} \\ d\theta &= \frac{x'}{r \sin \theta} \\ x' &= r \sin \theta d\phi \\ \sin d\theta &= \frac{y'}{r} \\ y' &= r d\theta\end{aligned}$$