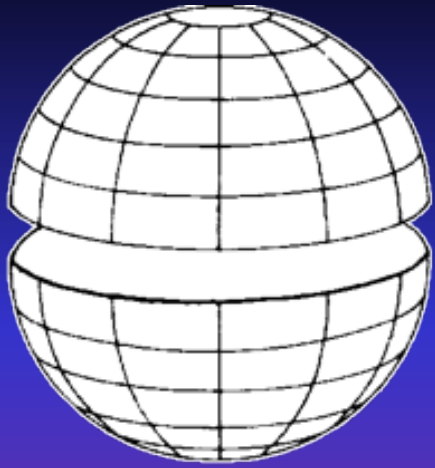


Astronomia de Posição
2º semestre - 2023

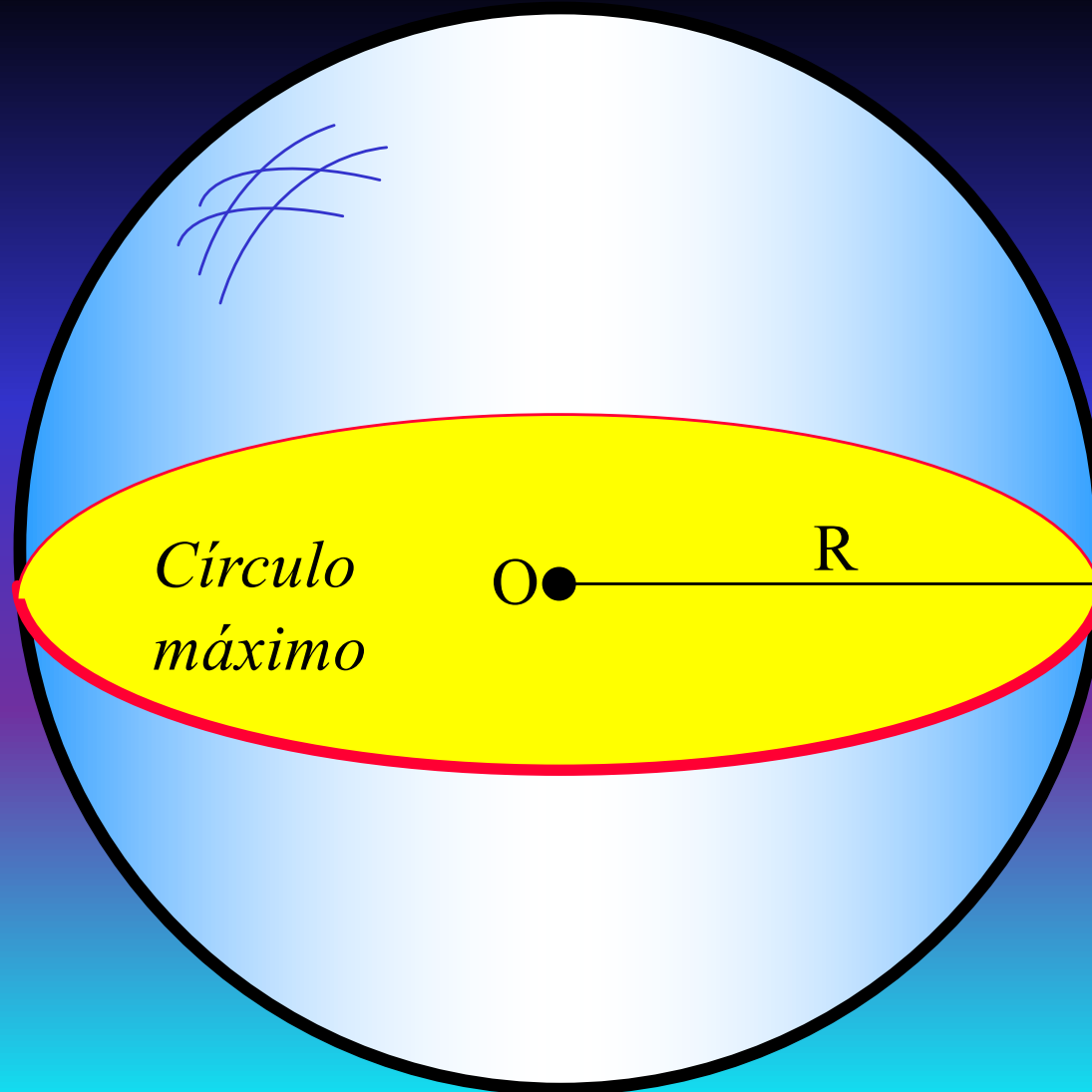
Aula_6 – 28/08/2023

*Noções de geometria esférica e
elementos da esfera celeste*

grande círculo ou círculo máximo



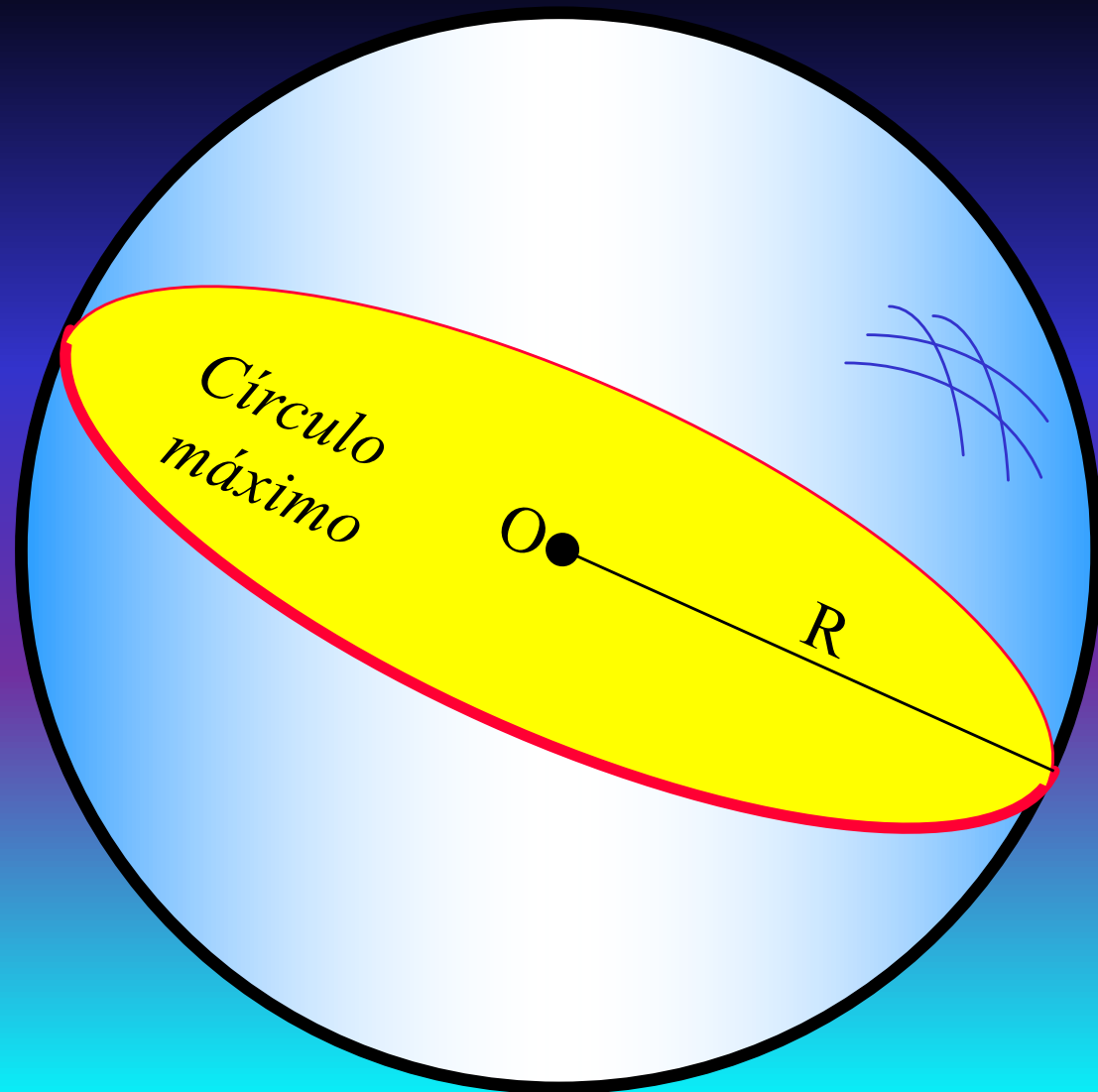
*Círculo
máximo*



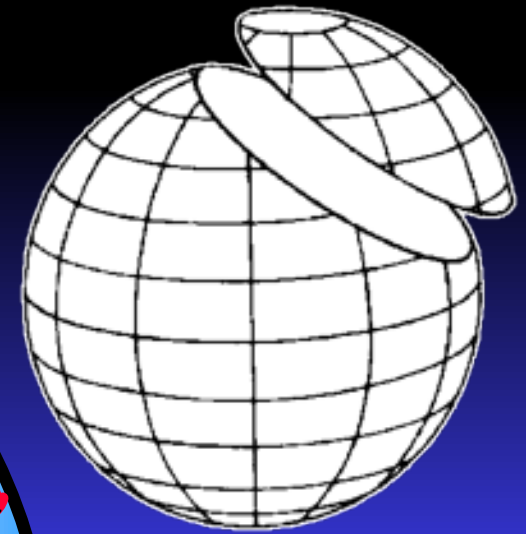
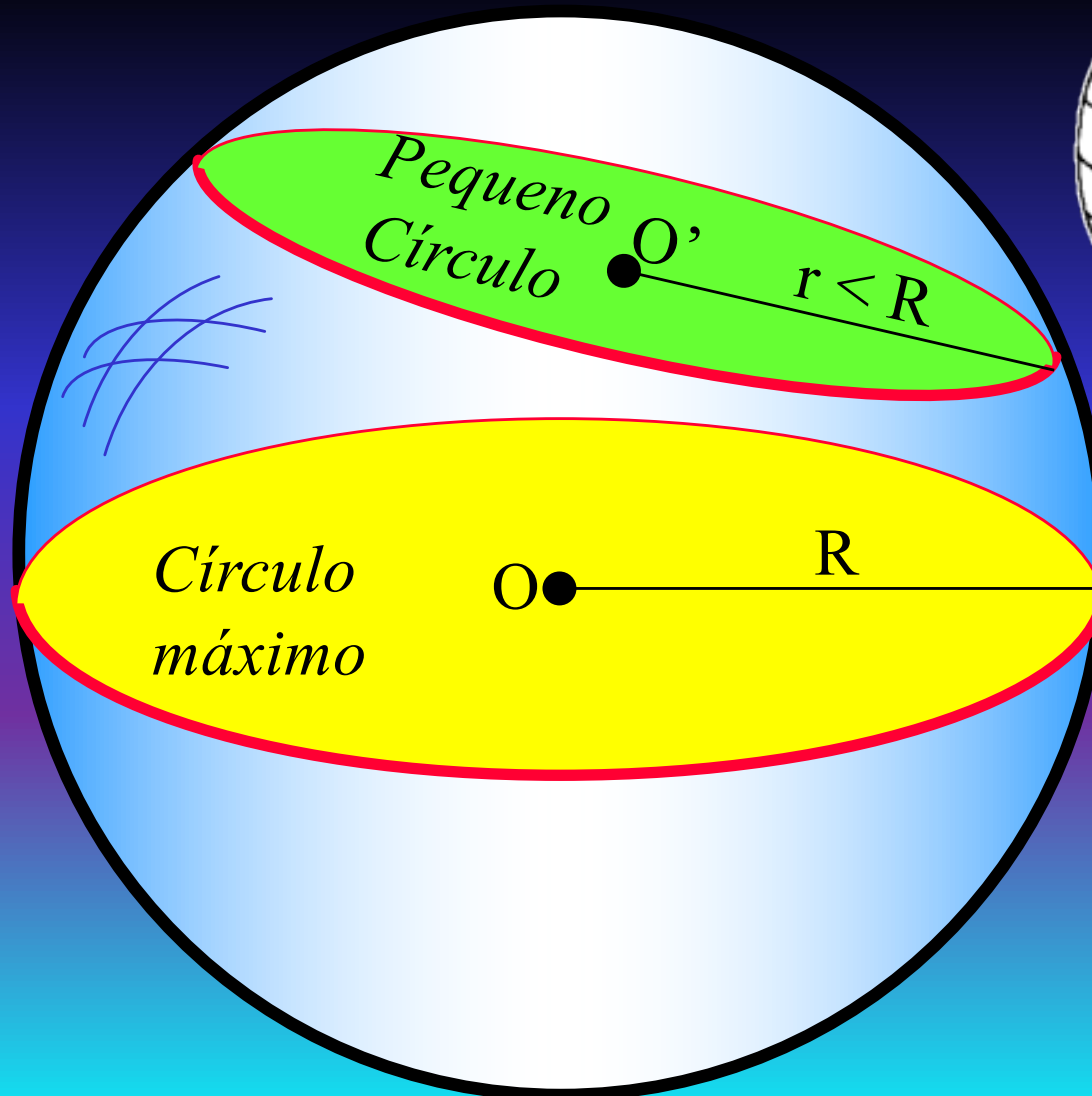
grande círculo ou círculo máximo



*Círculo
máximo*

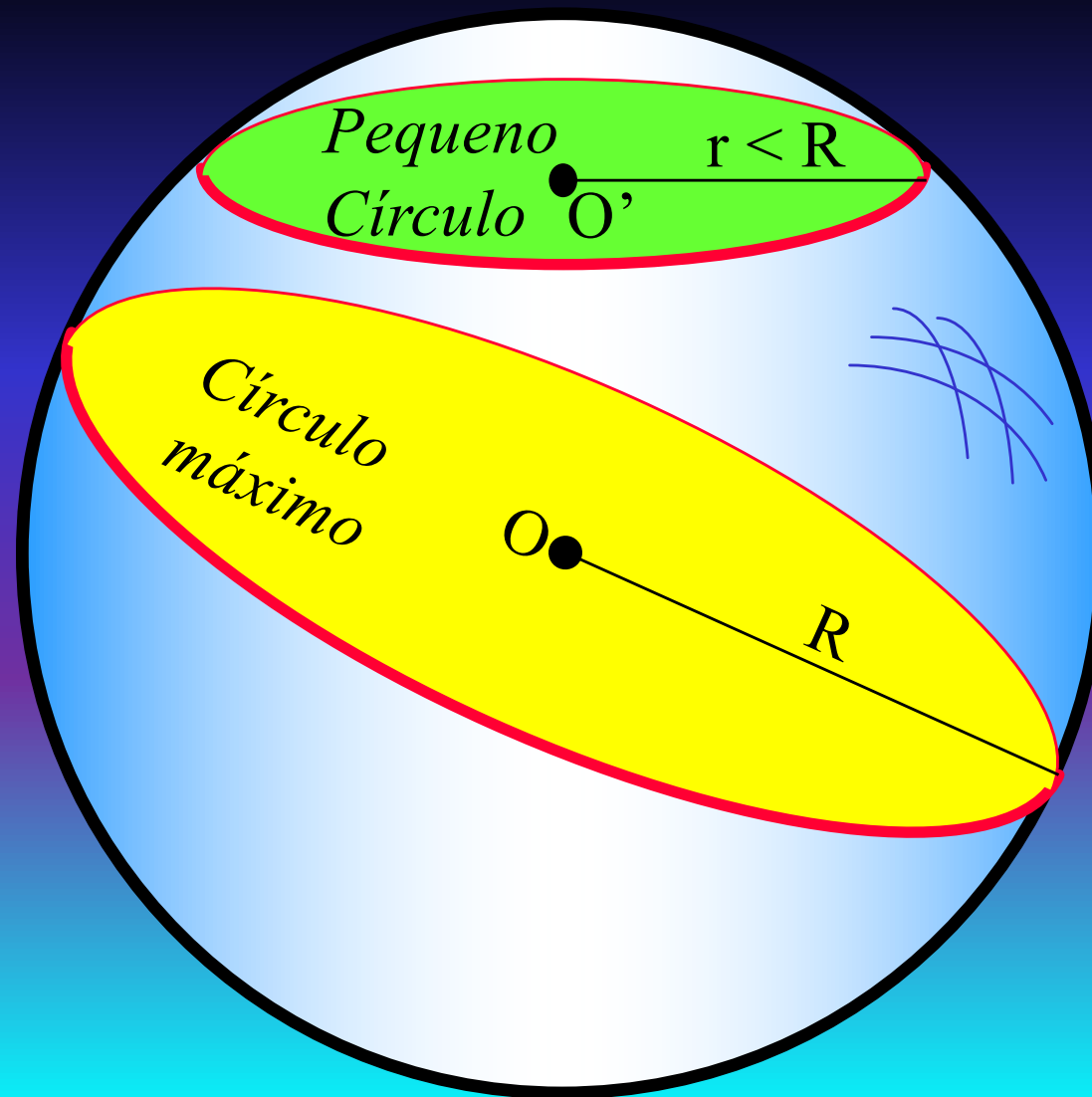


pequenos círculos



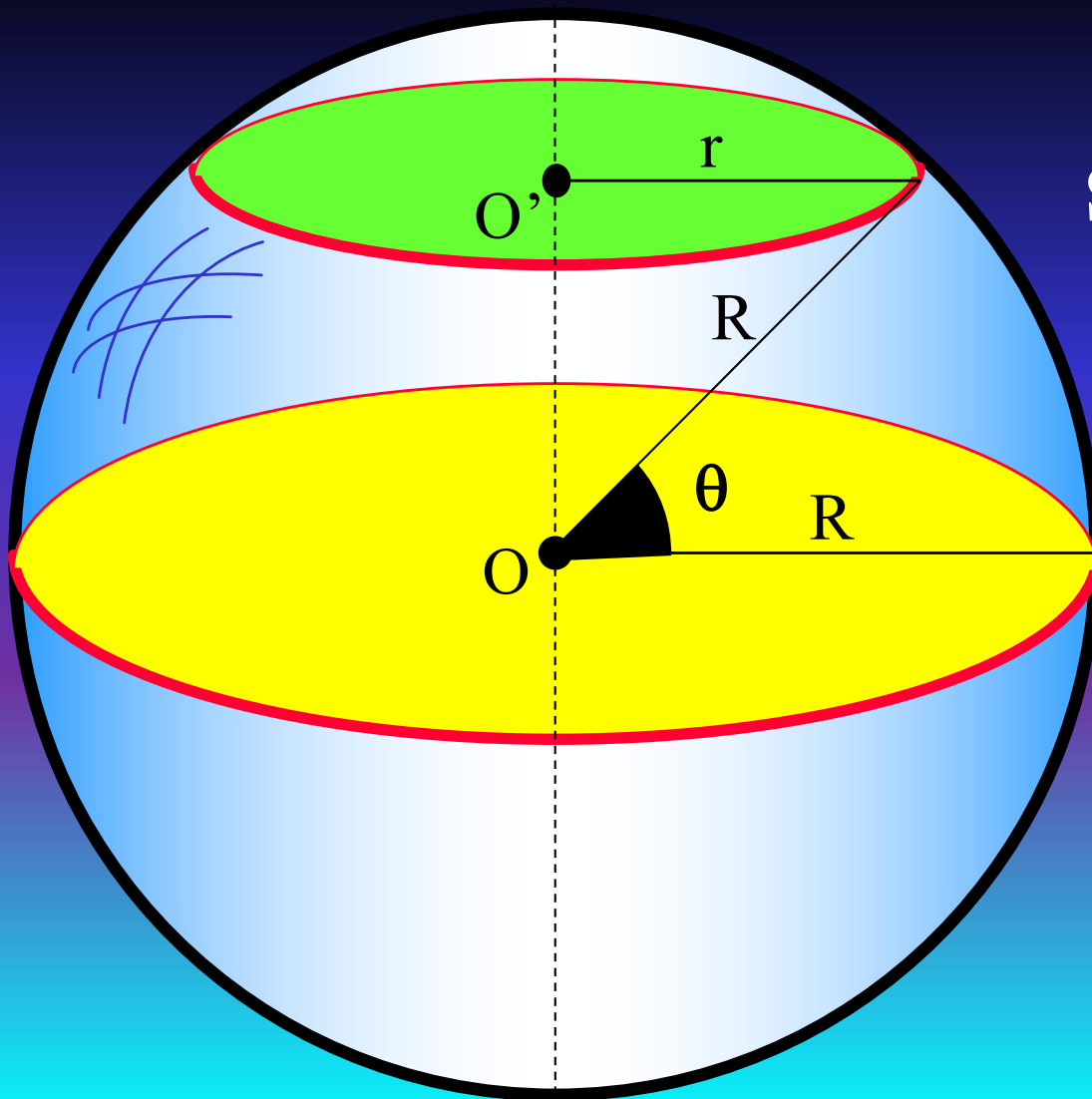
Pequeno círculo

pequenos círculos



Pequeno círculo

relação entre os raios “R” e “r”

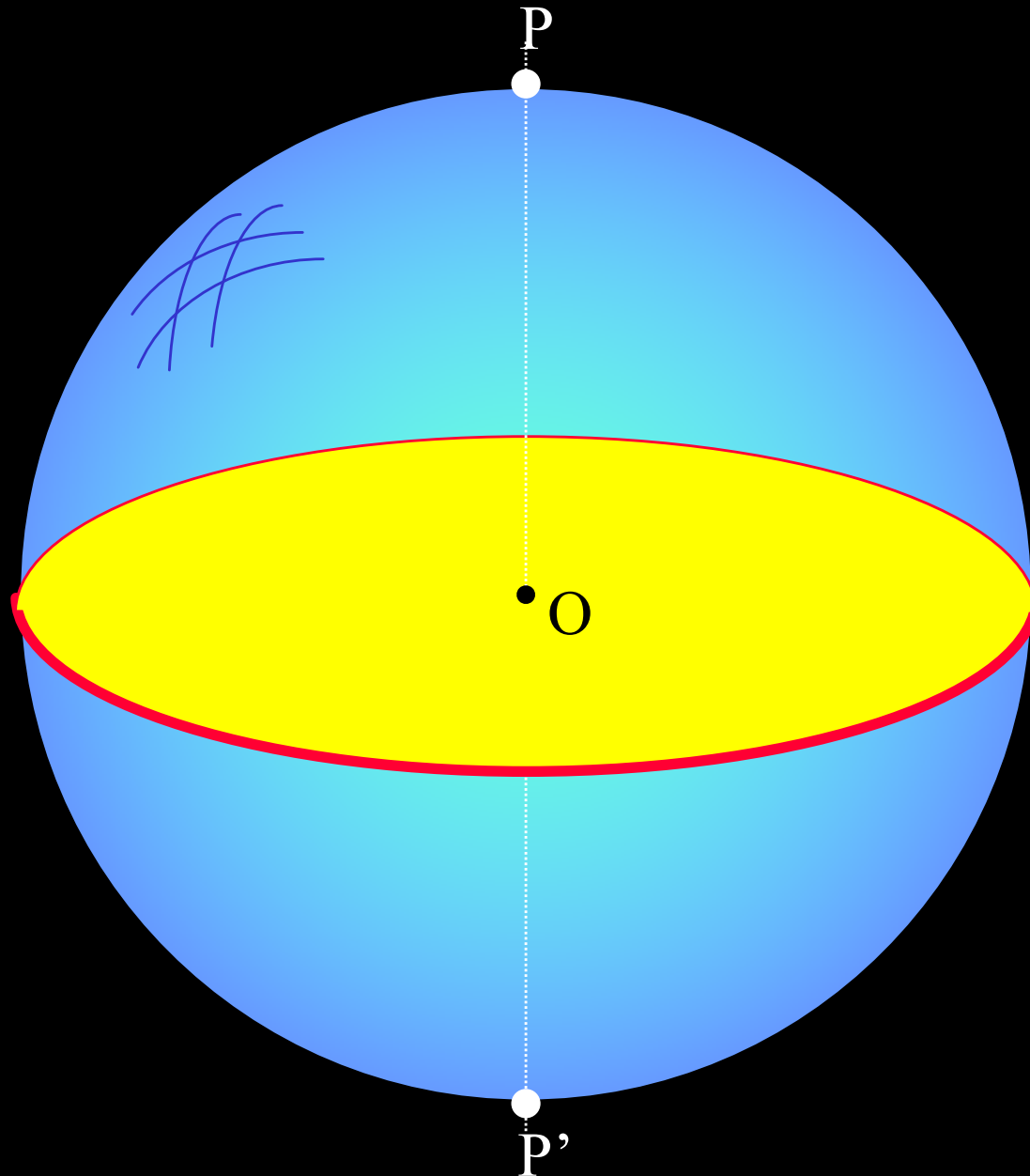


$$\text{sen}(90^\circ - \theta) = r/R$$

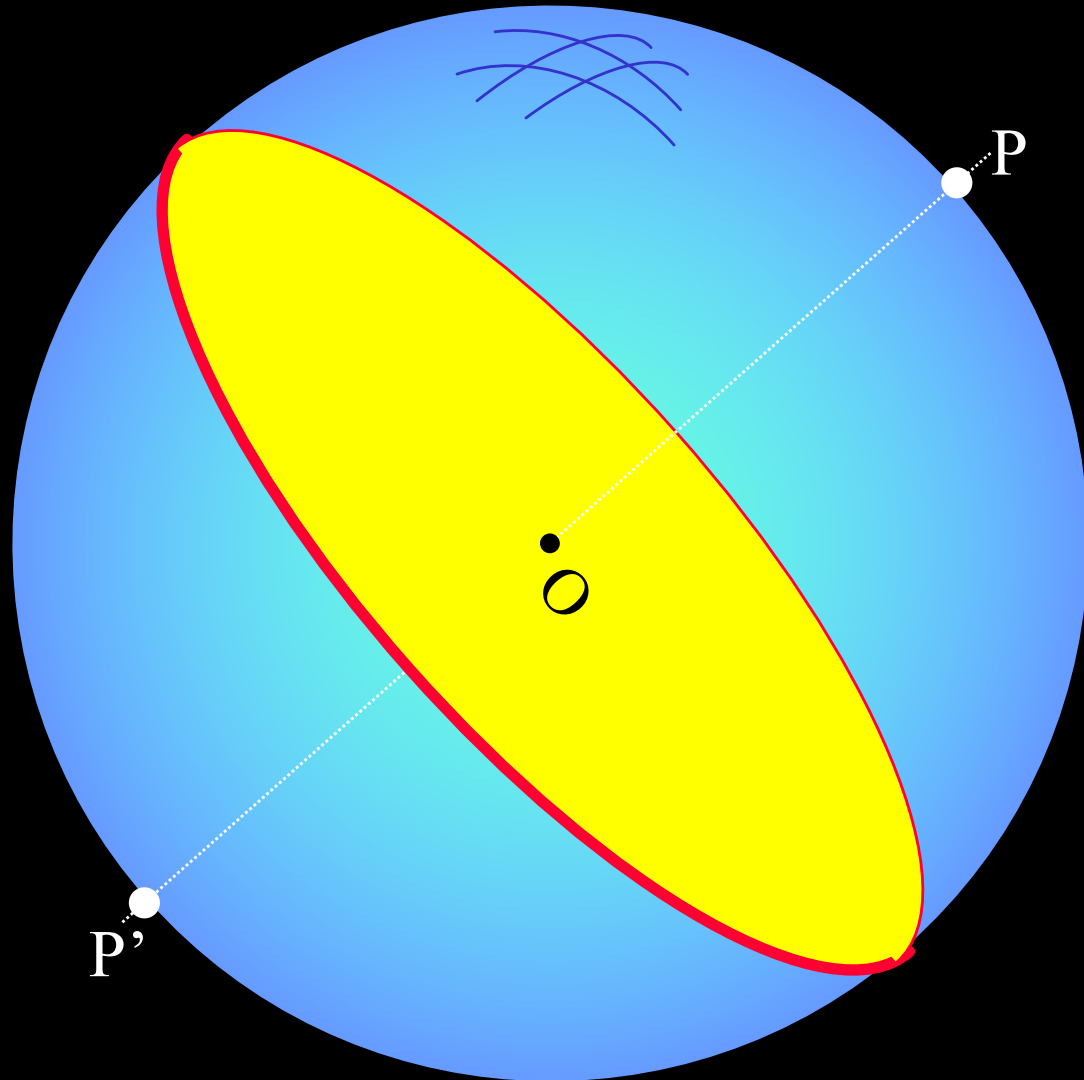


$$r = R \cdot \cos\theta$$

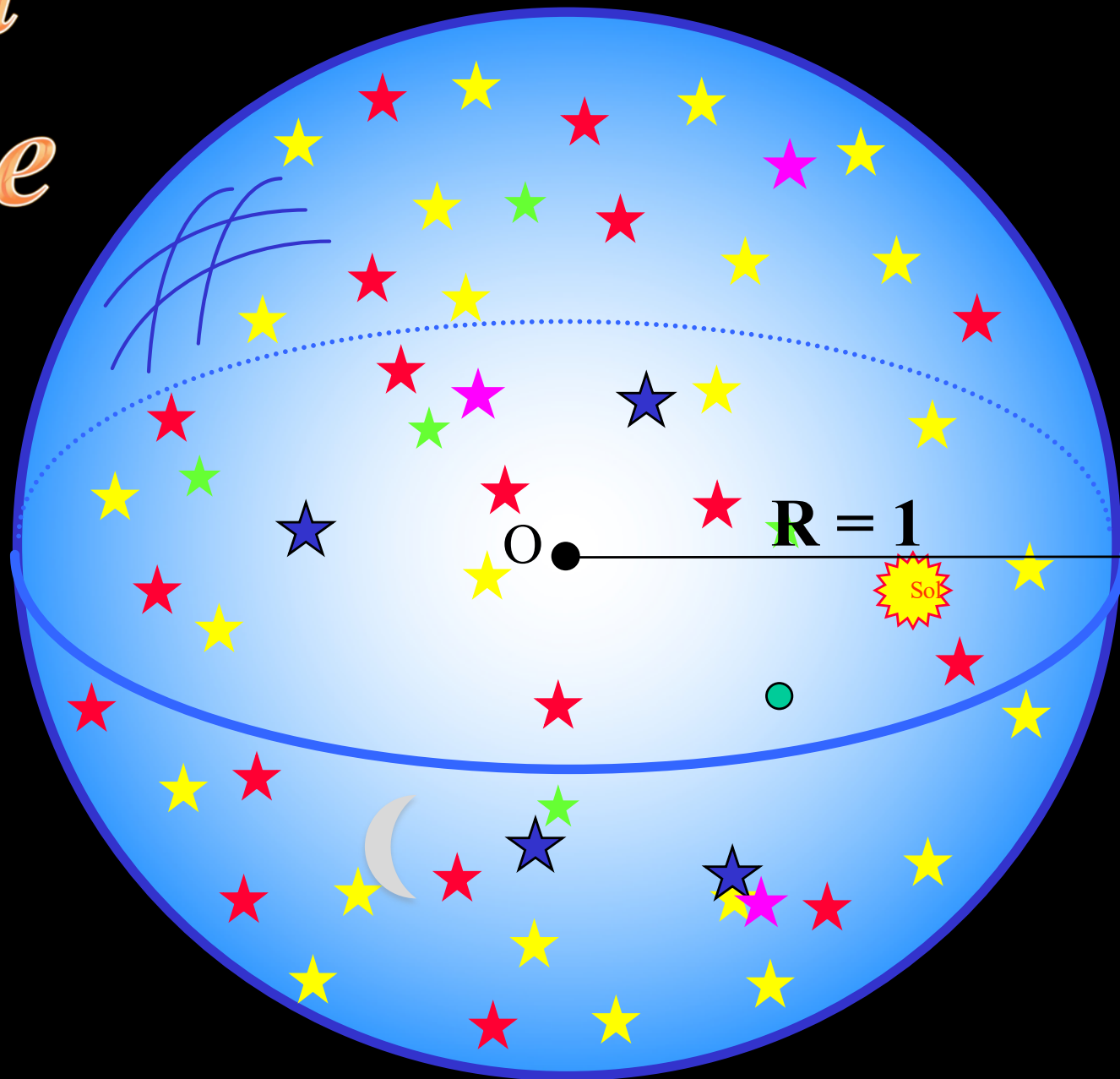
pólos de um grande círculo



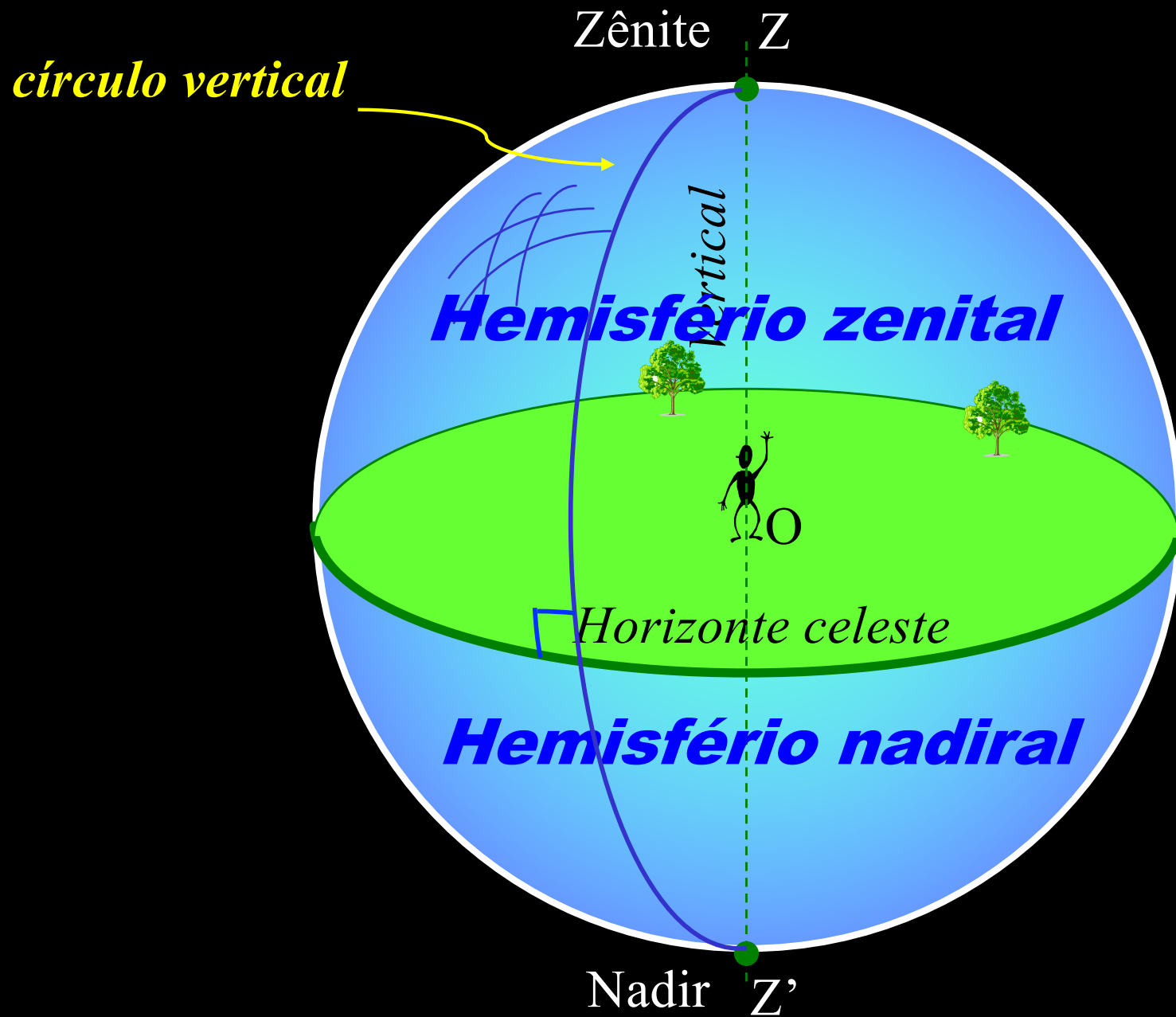
pólos de um grande círculo



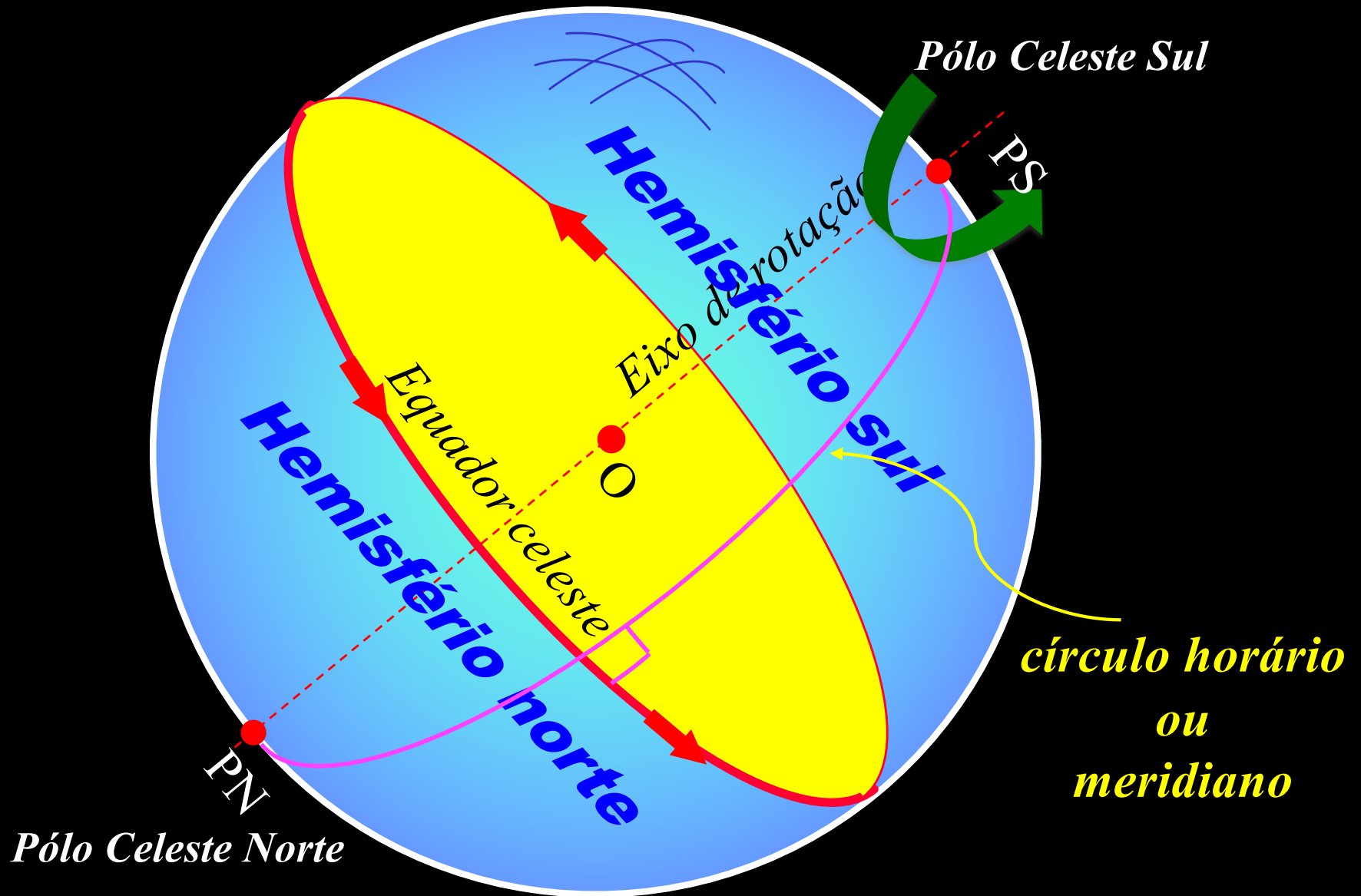
Esfera Celeste



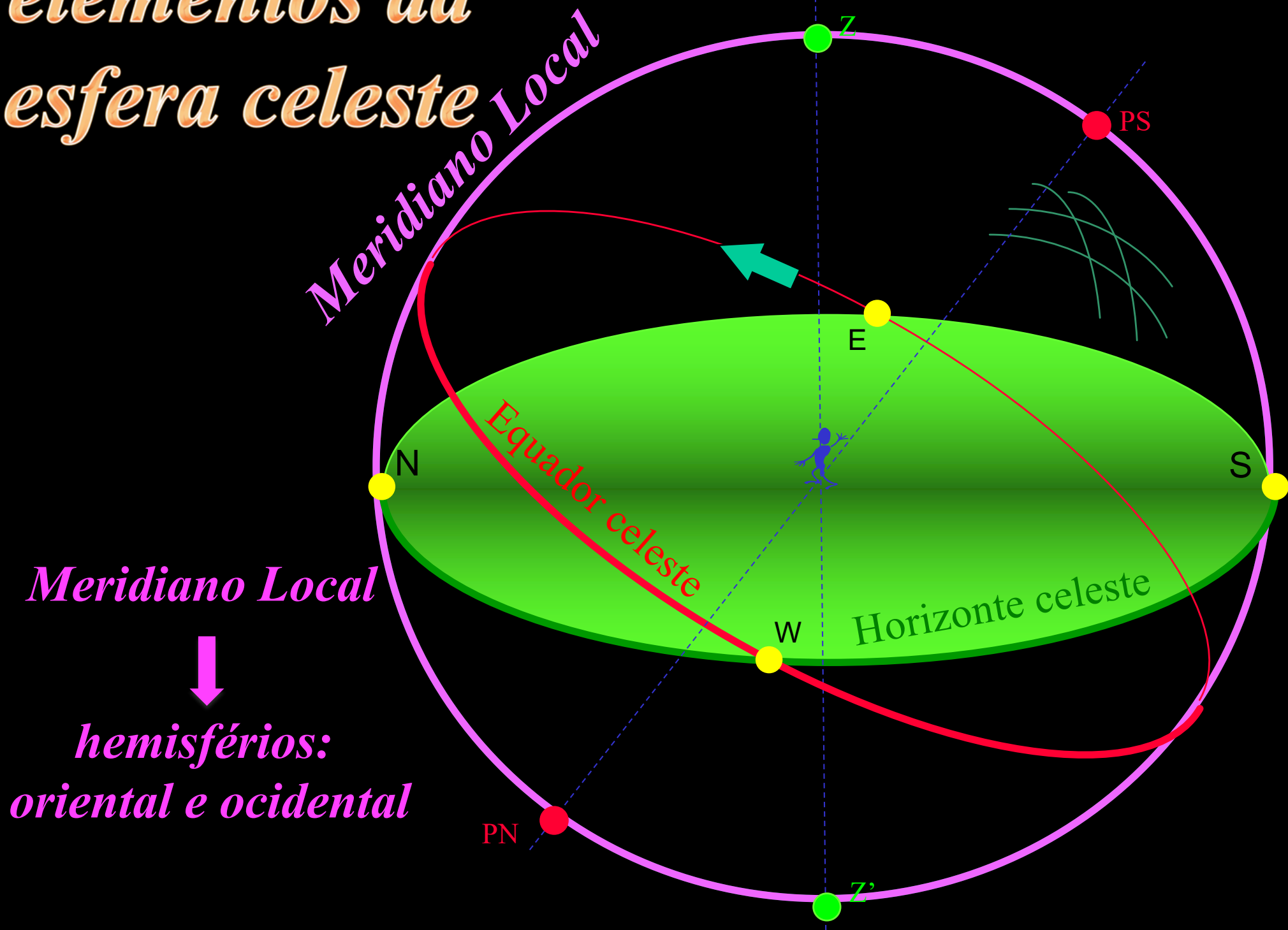
elementos da esfera celeste

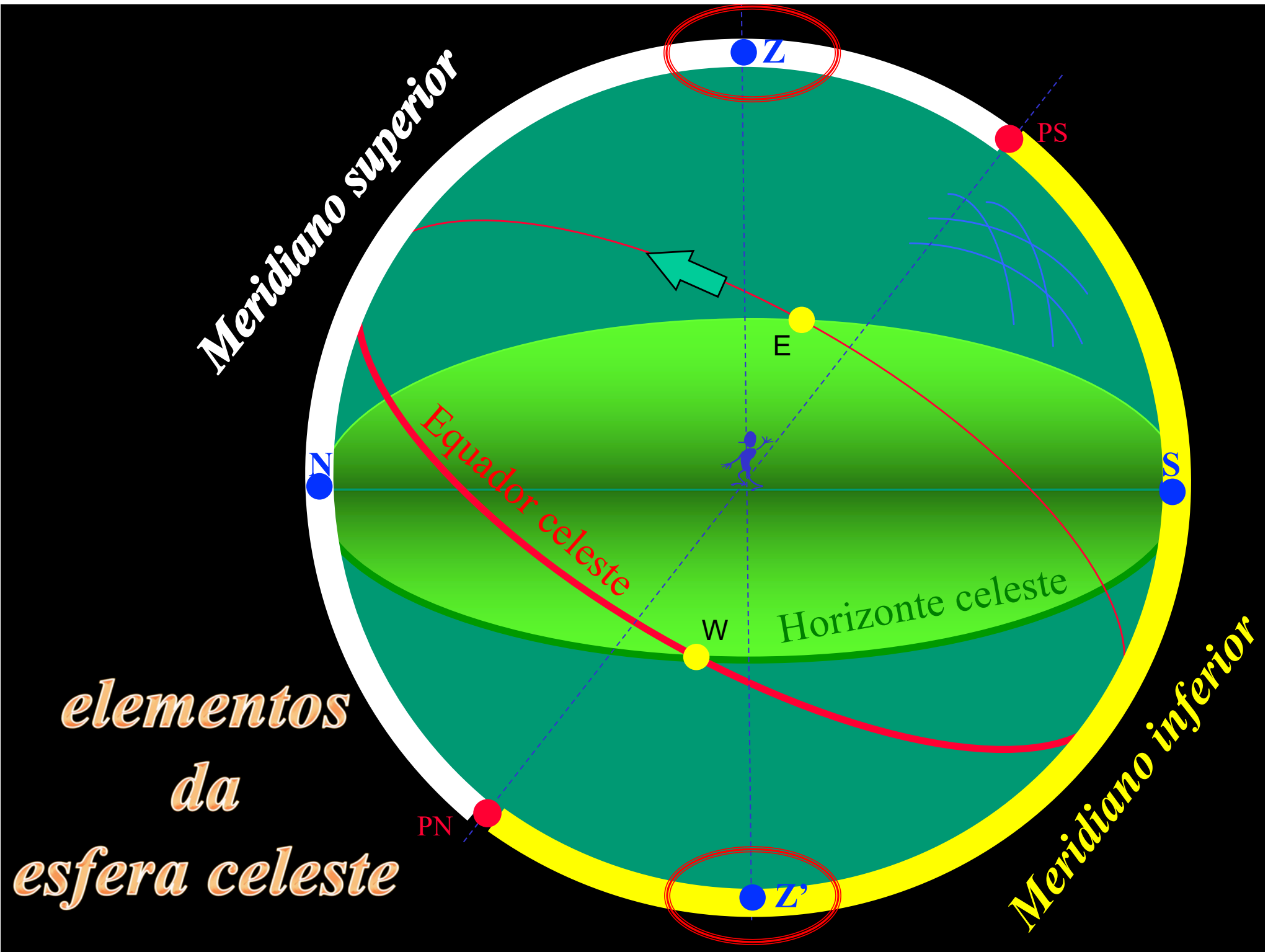


elementos da esfera celeste



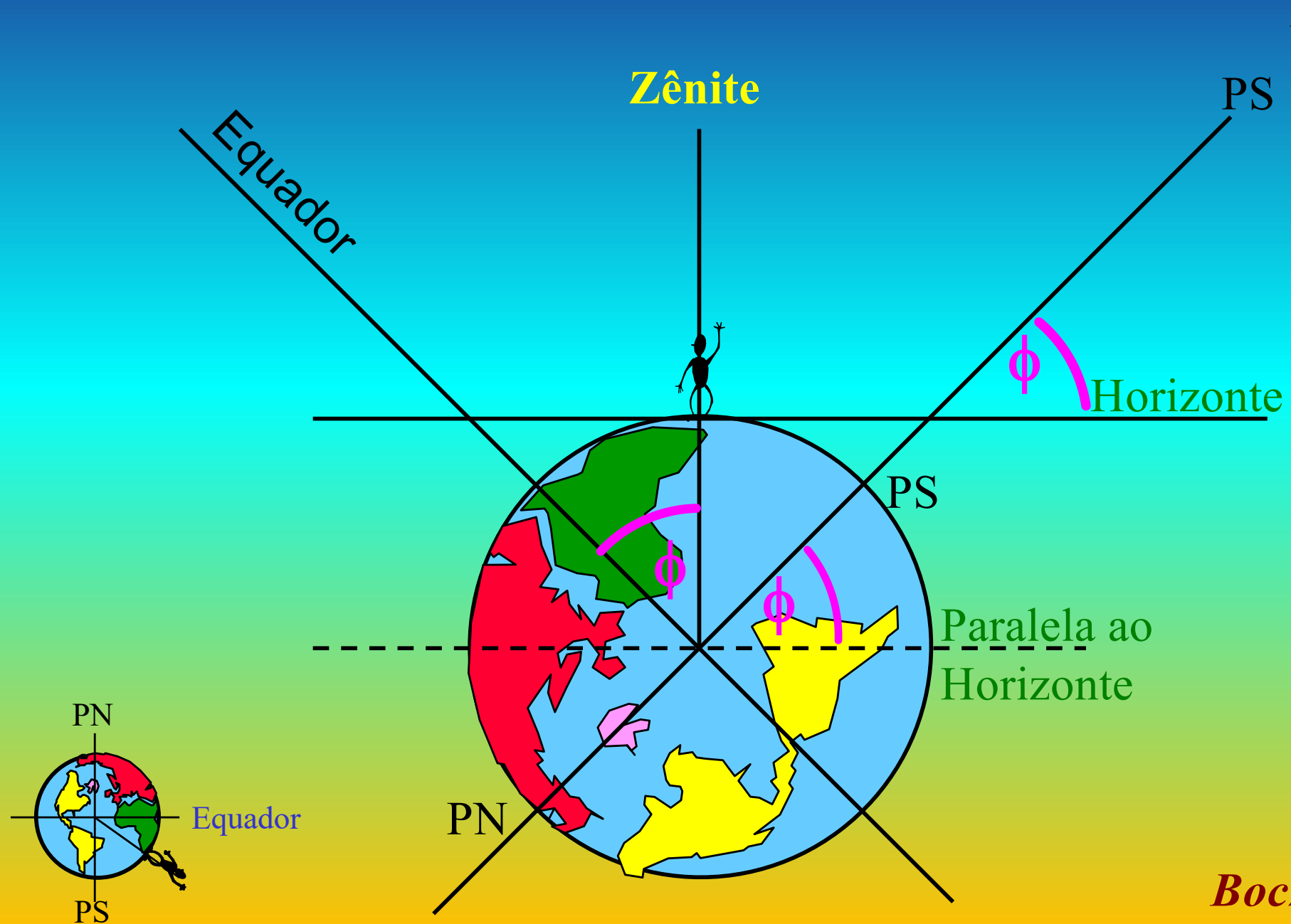
elementos da esfera celeste





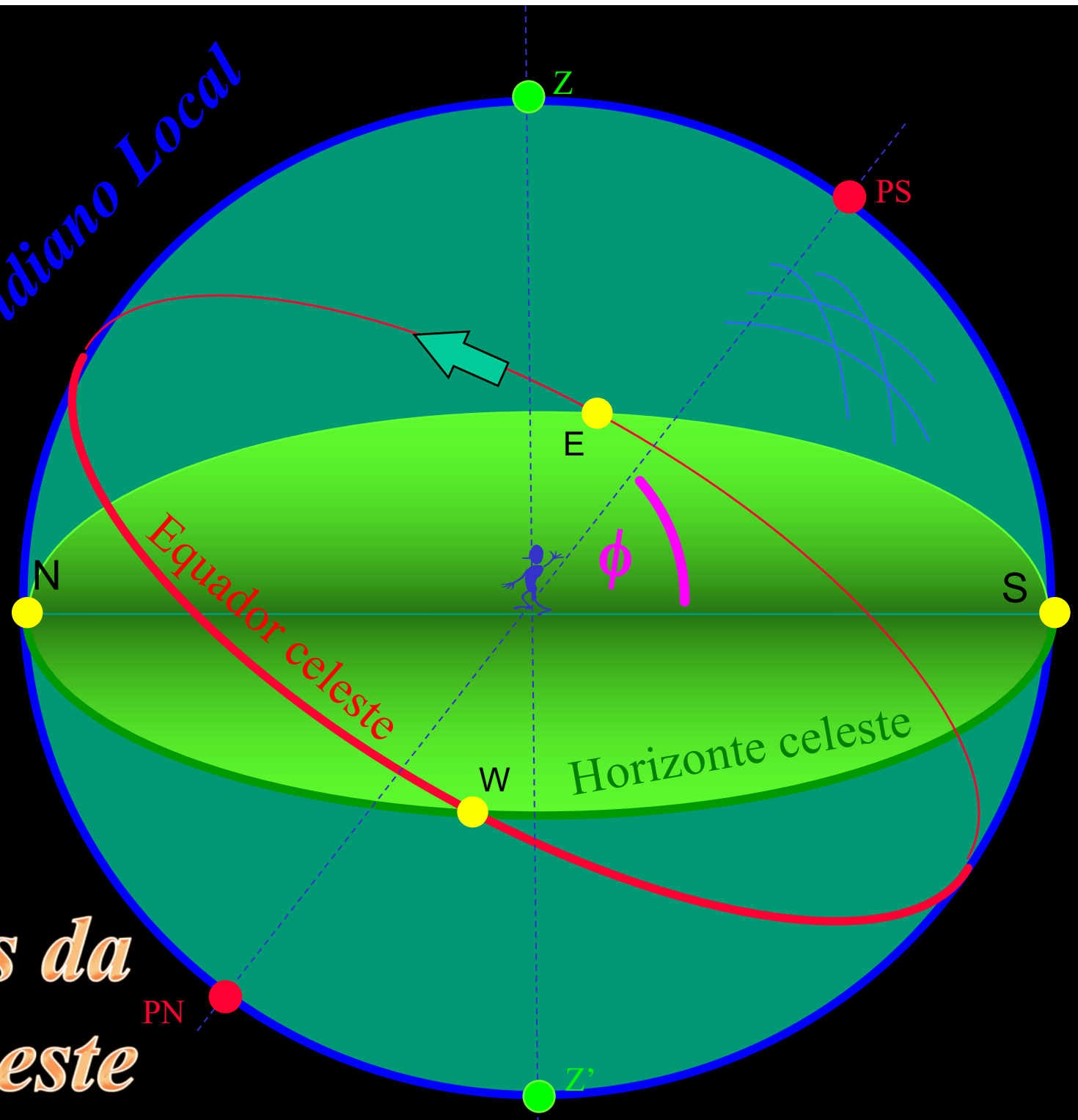
*elementos
da
esfera celeste*

latitude astronômica ou geográfica



*elementos da
esfera celeste*

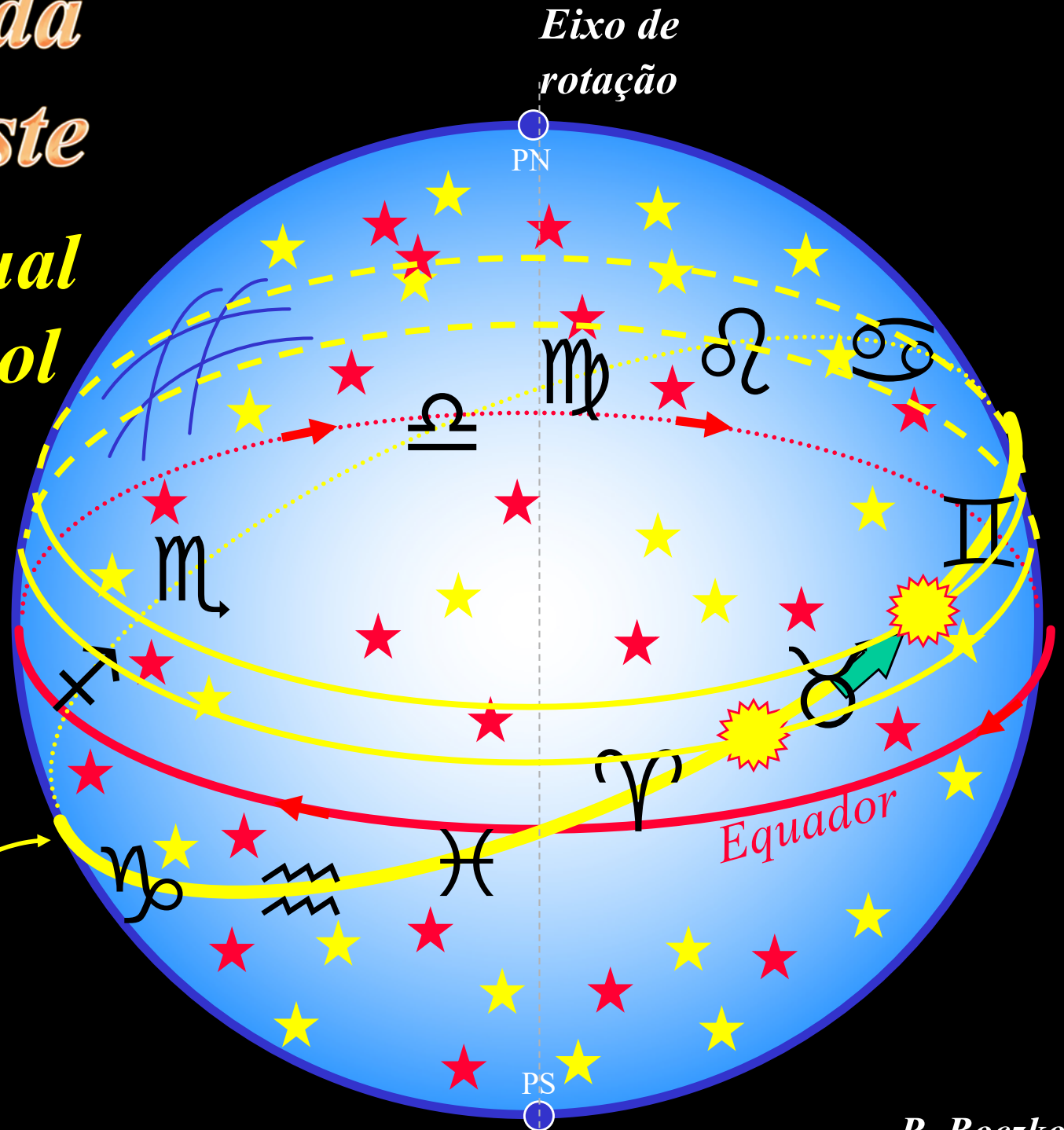
Meridiano Local



elementos da esfera celeste

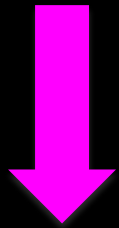
*movimento anual
aparente do Sol*

eclíptica

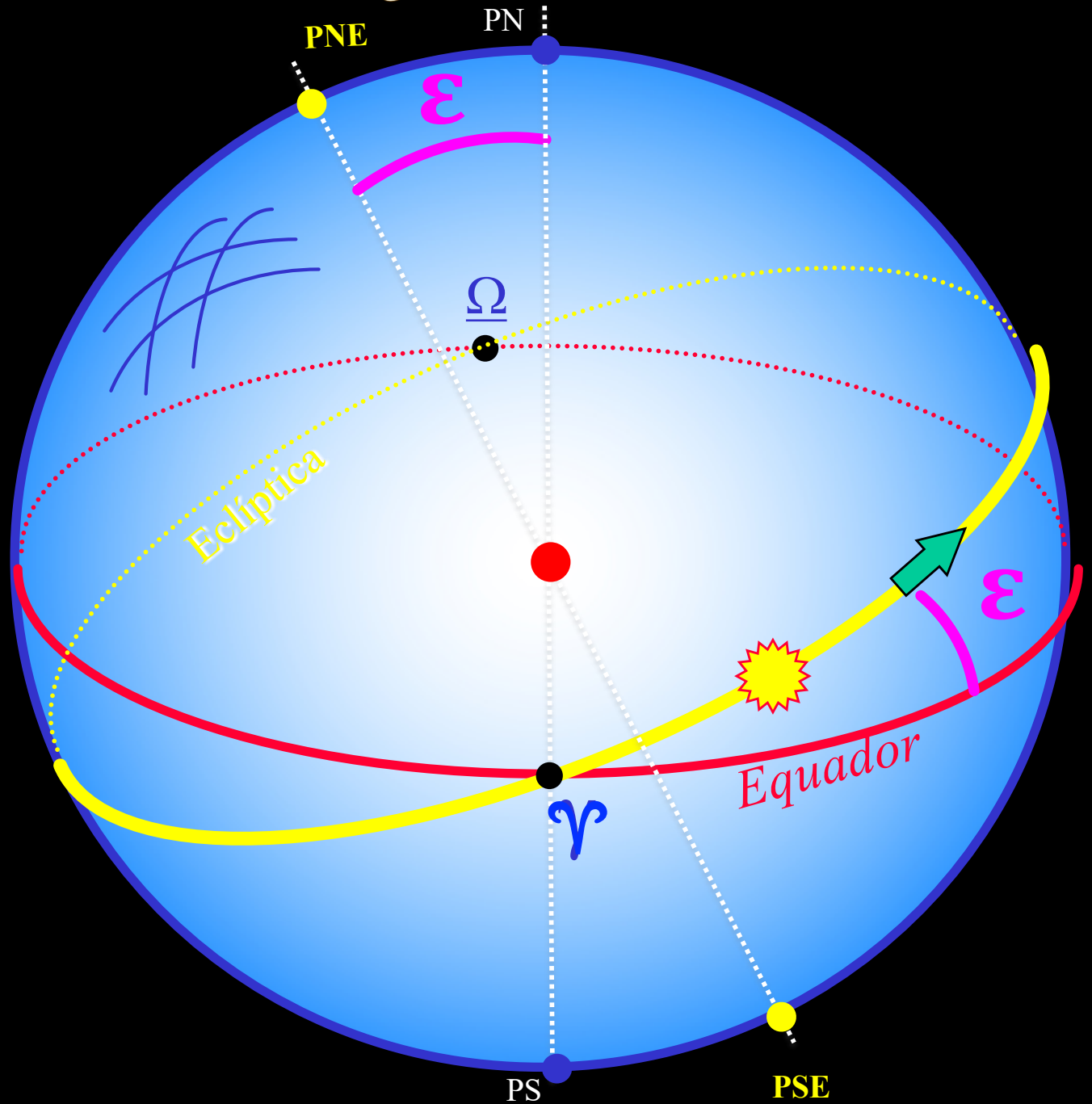


elementos da esfera celeste

obliquidade da eclíptica



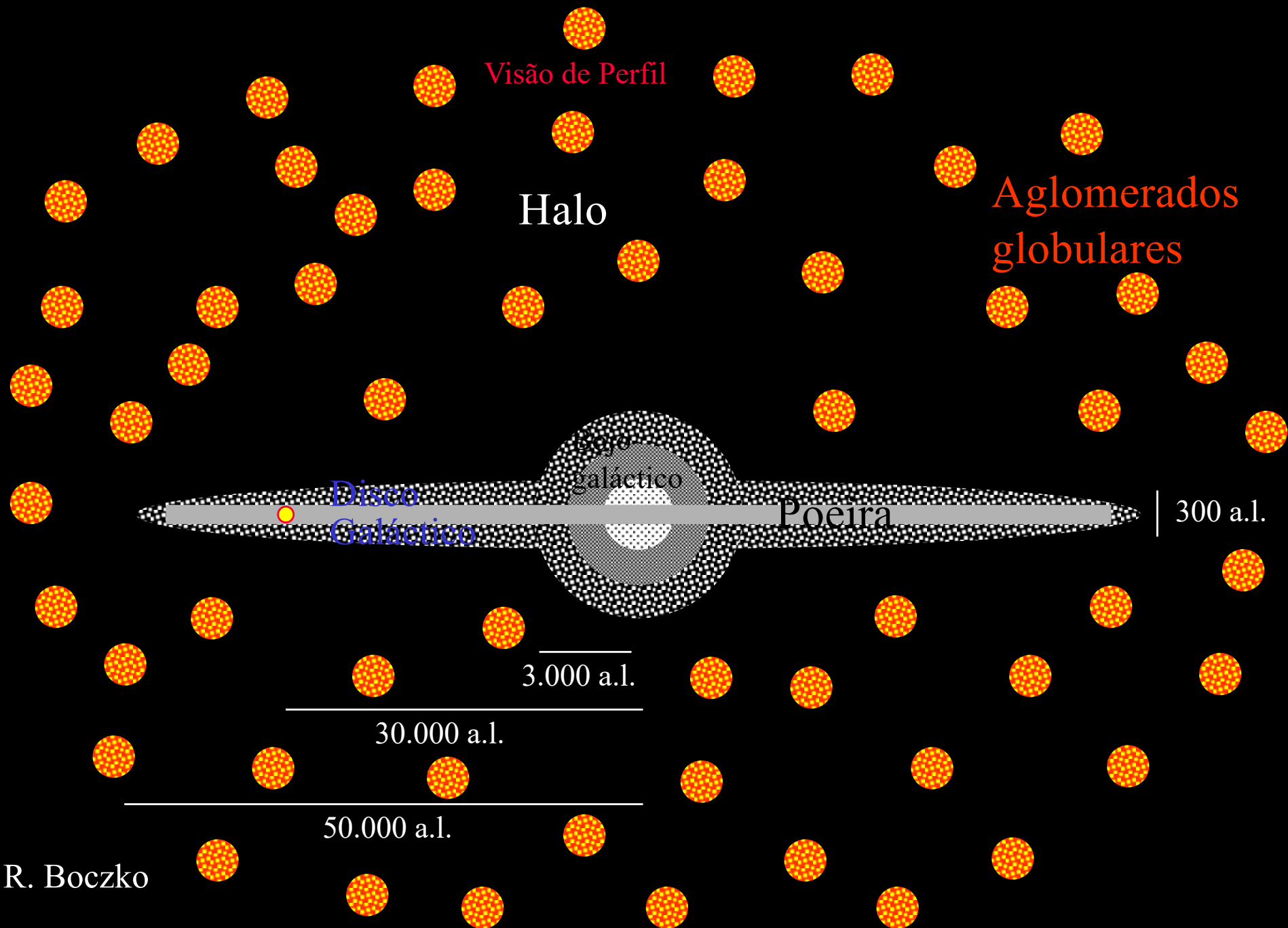
$$\varepsilon \sim 23^{\circ}27'$$



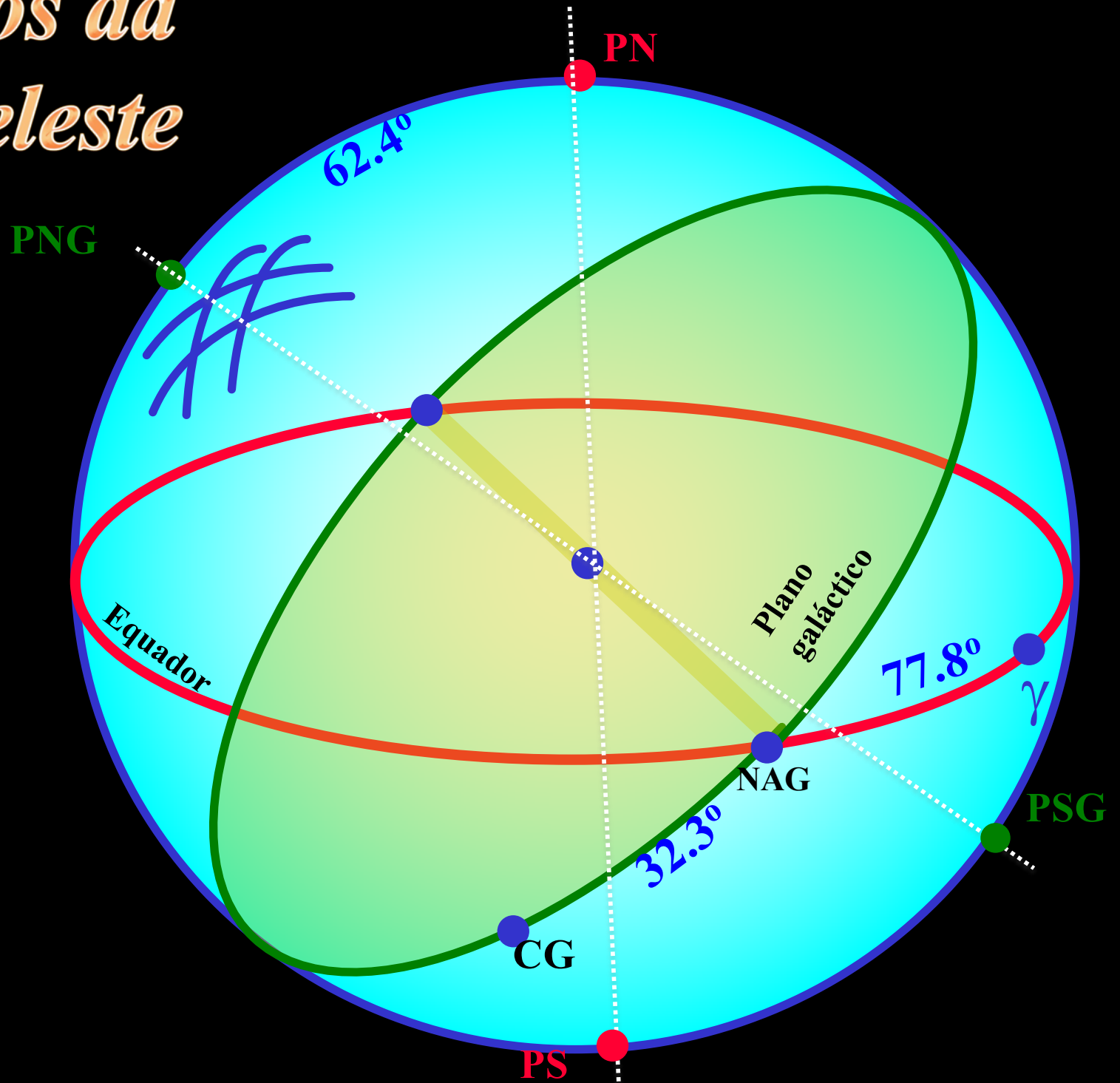
Via Láctea



Nossa Galáxia



elementos da esfera celeste



F I M