

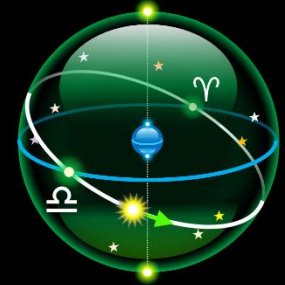


Centro de Divulgação Científica e Cultural



Centro de Divulgação da Astronomia
Observatório Dietrich Schiel

Minicurso básico



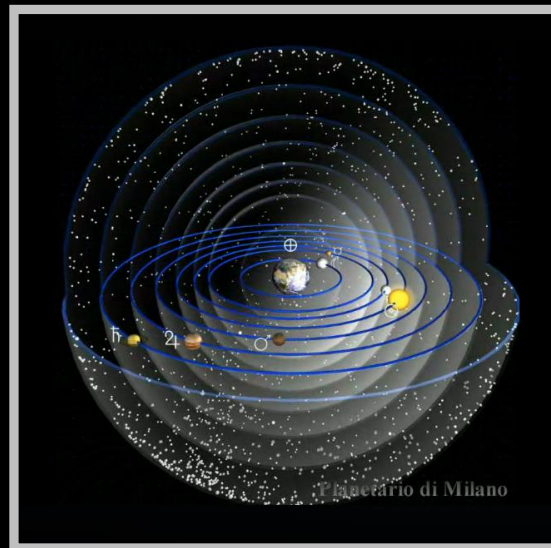
Introdução à
Astronomia

○ Universo

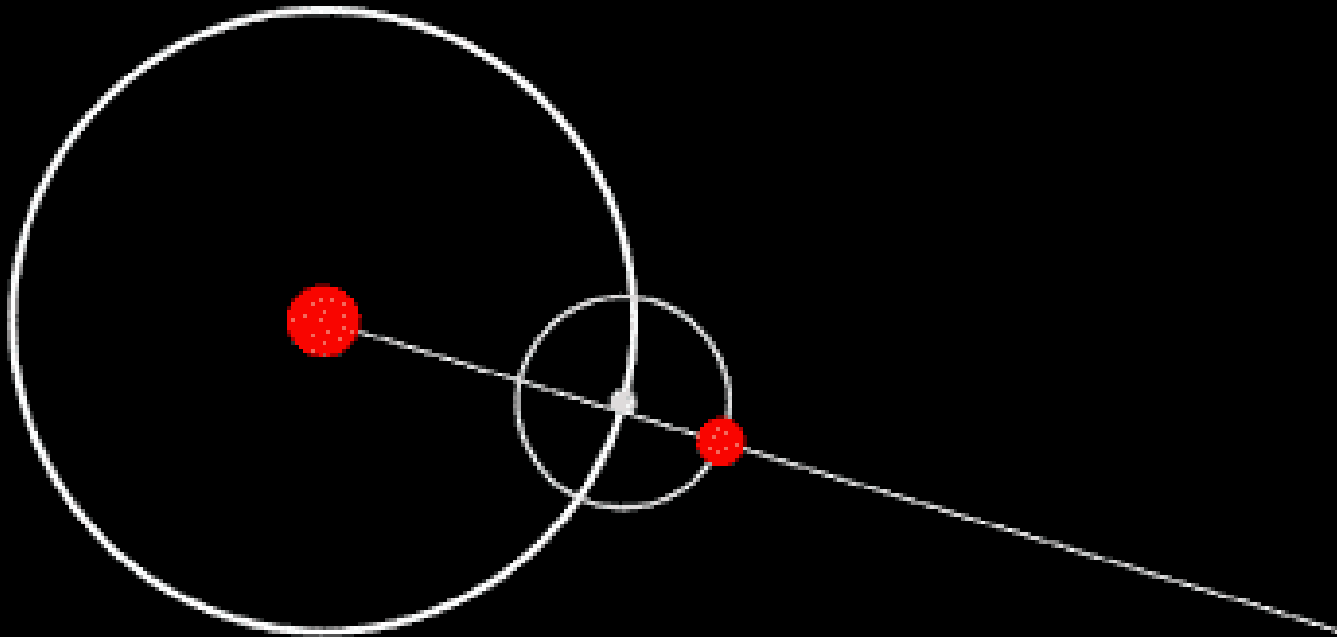
André Luiz da Silva
Observatório Dietrich Schiel
/CDCC/USP

Universo geocêntrico

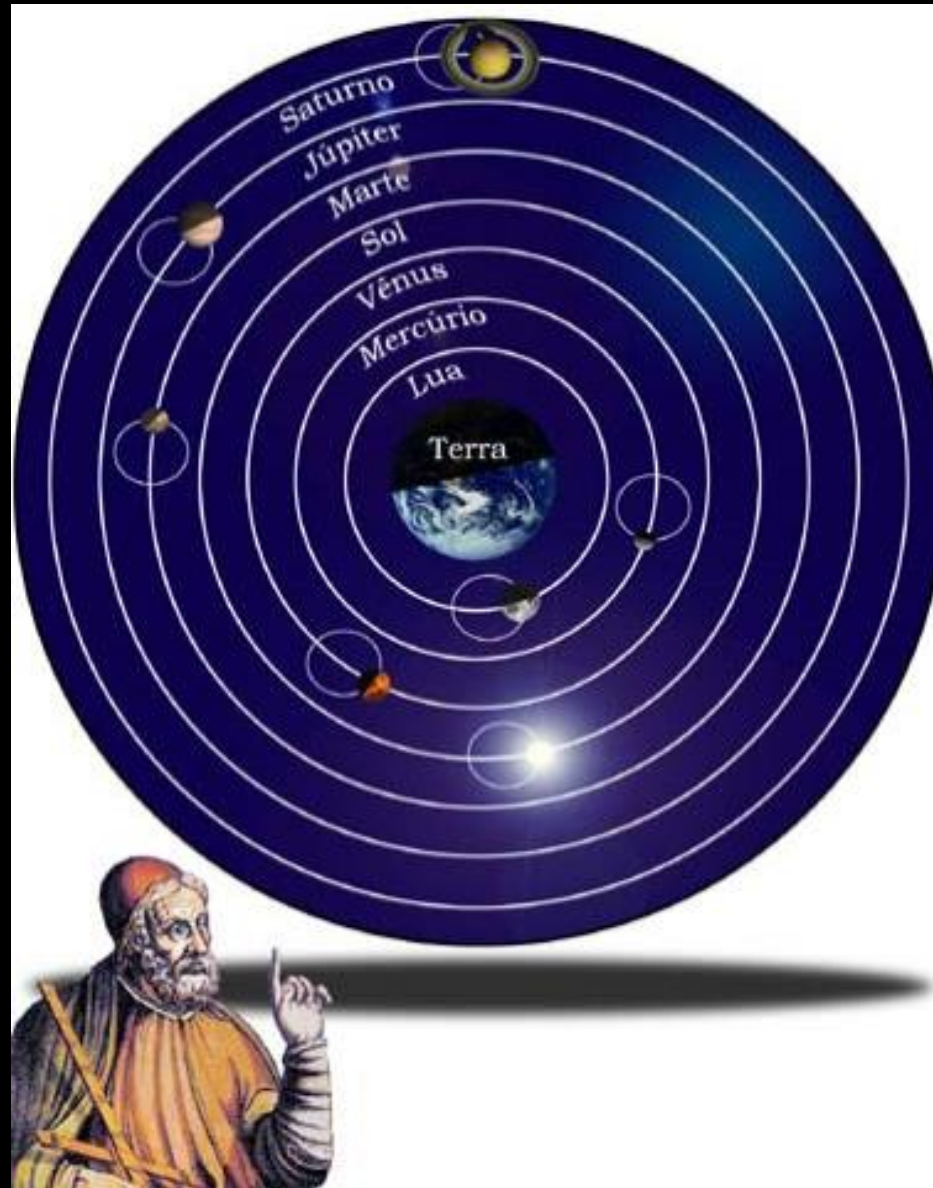
Modelo geocêntrico



Epiciclo e deferente

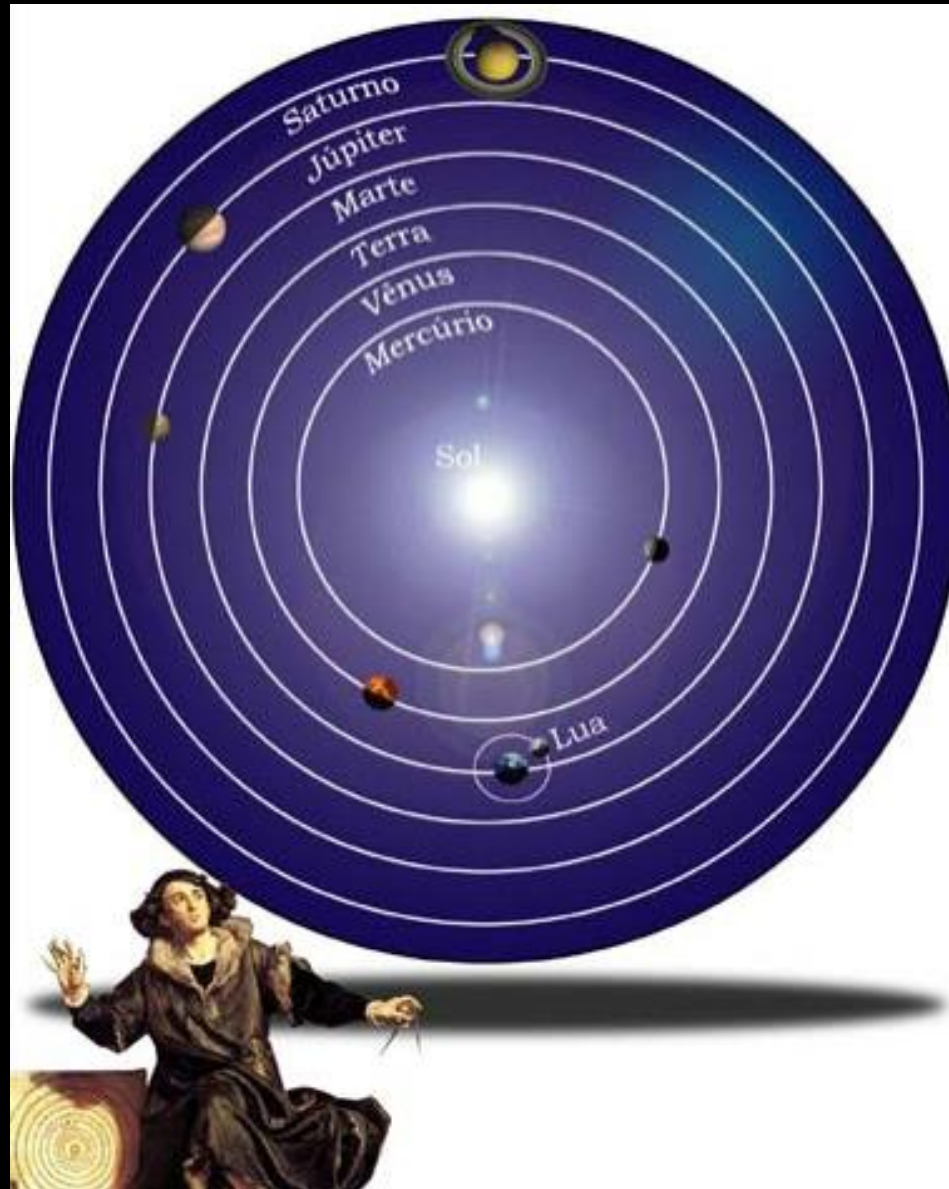


Modelo de Ptolomeu (sec. II)

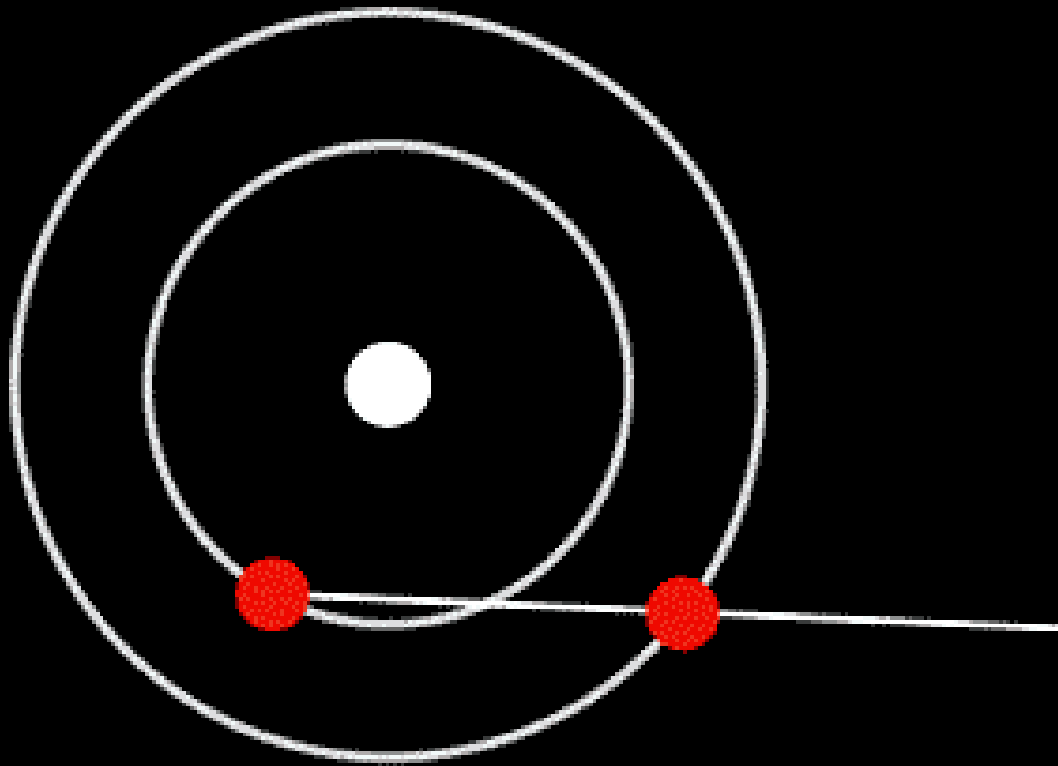


Universo heliocêntrico

Modelo de Copérnico (séc. XVI)



Modelo Heliocêntrico e movimento planetário



Universo galactocêntrico

Universo de Herschel (séc. XVIII)

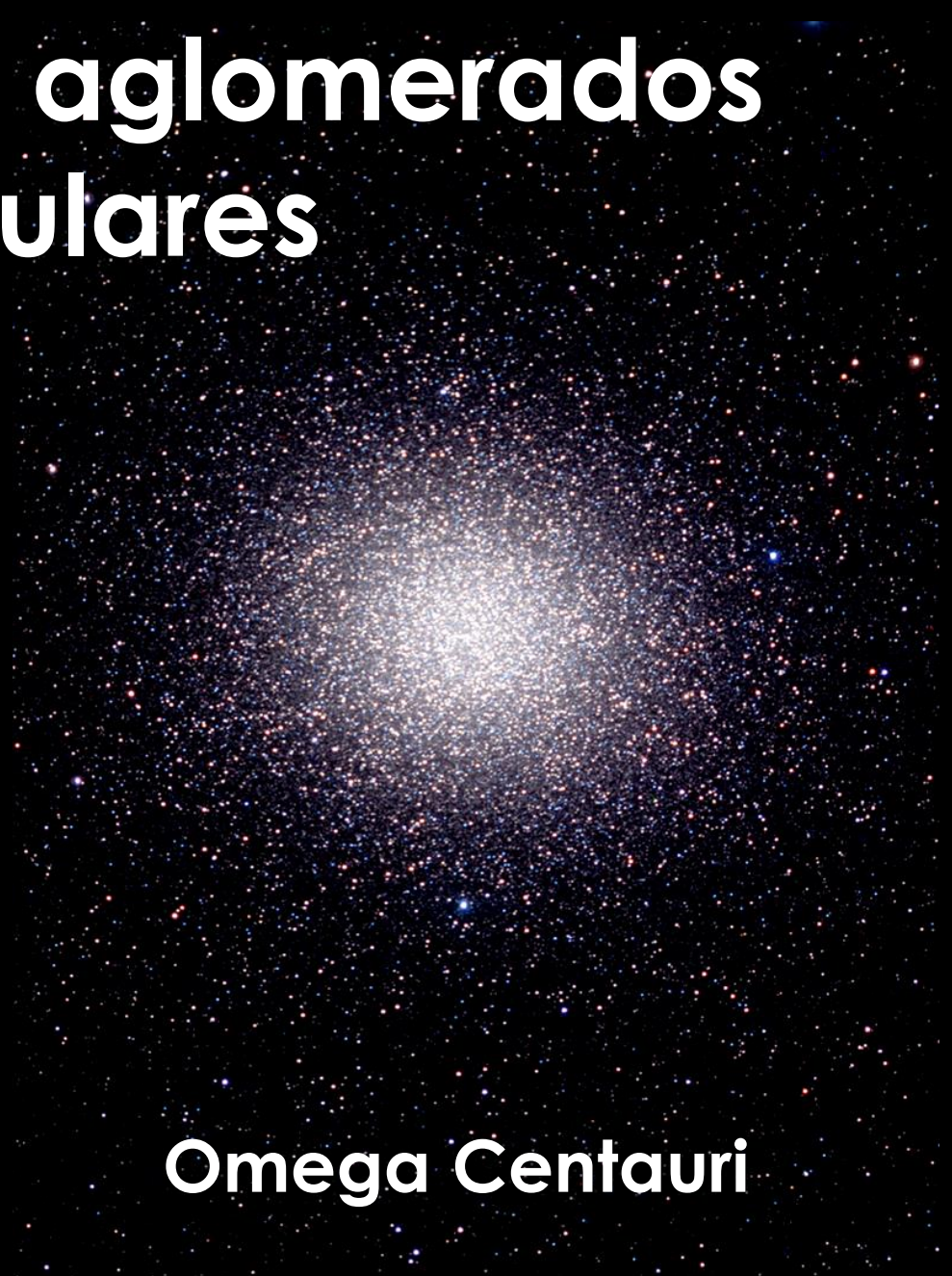


**Sol no centro da Via
Láctea?**

Shapley e os aglomerados globulares

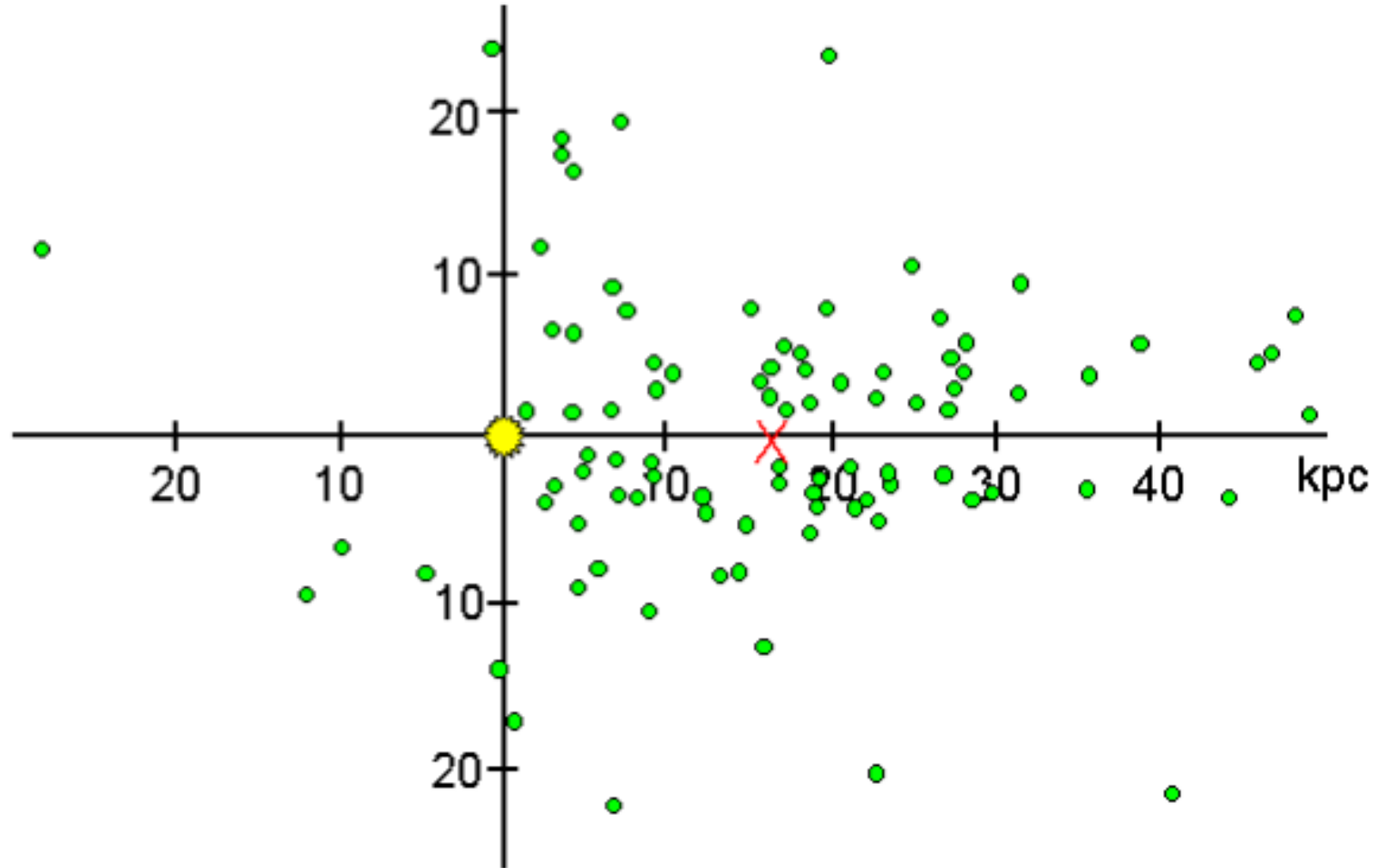


Harlow Shapley (1885-1972)



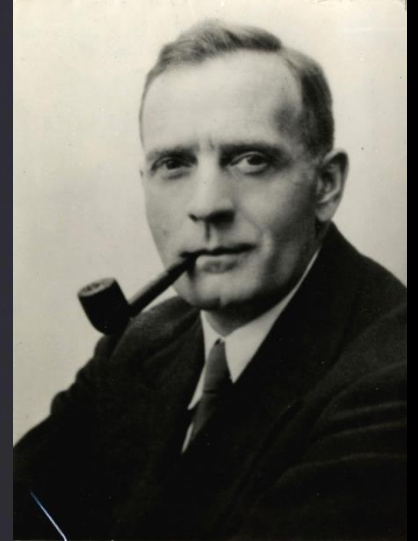
Omega Centauri

Distribuição dos AG's

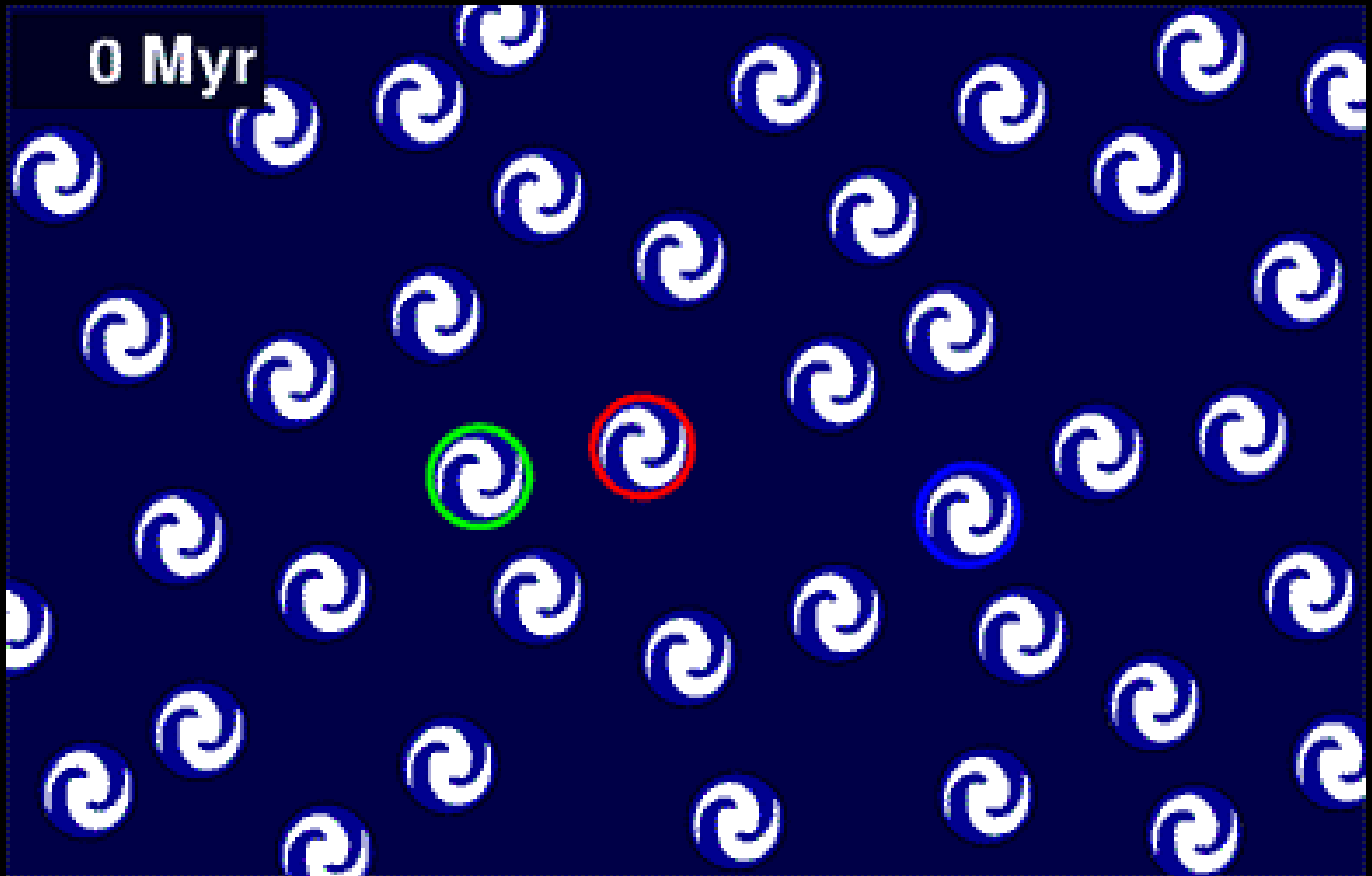


Universo “sem centro”

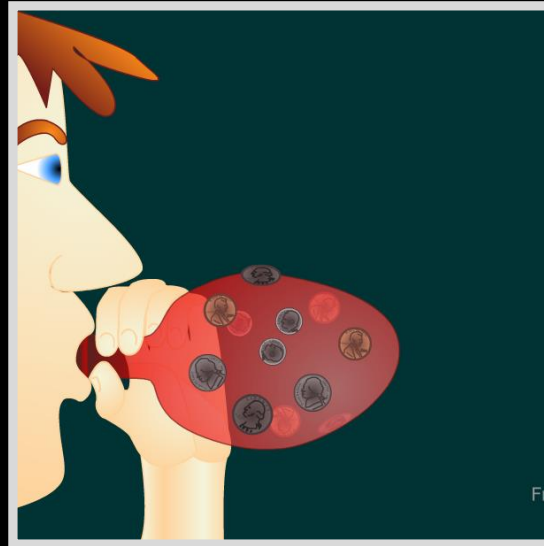
Universo estático?



Universo em expansão!

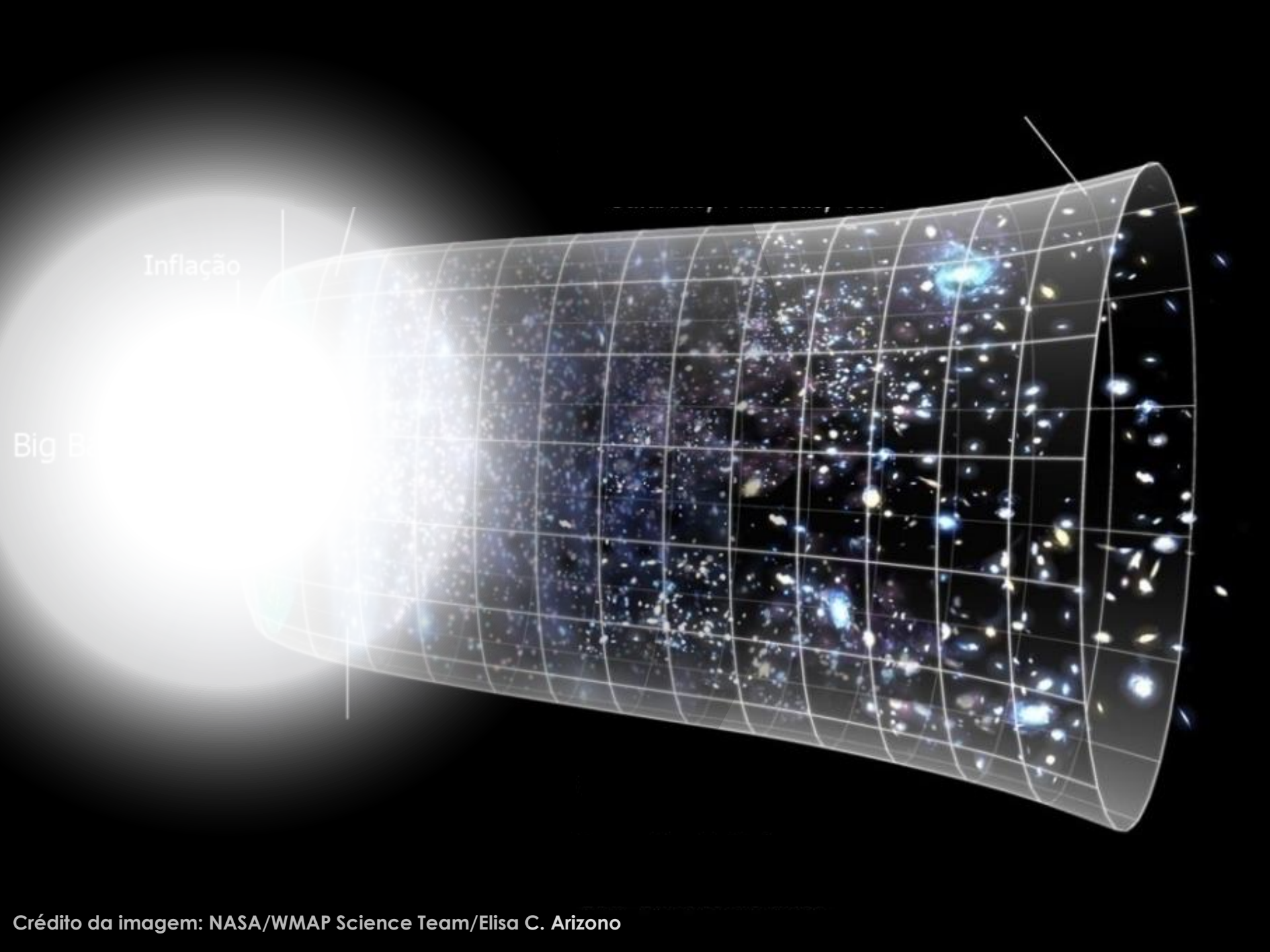


Sem centro?



Panorama do conhecimento atual sobre o Universo

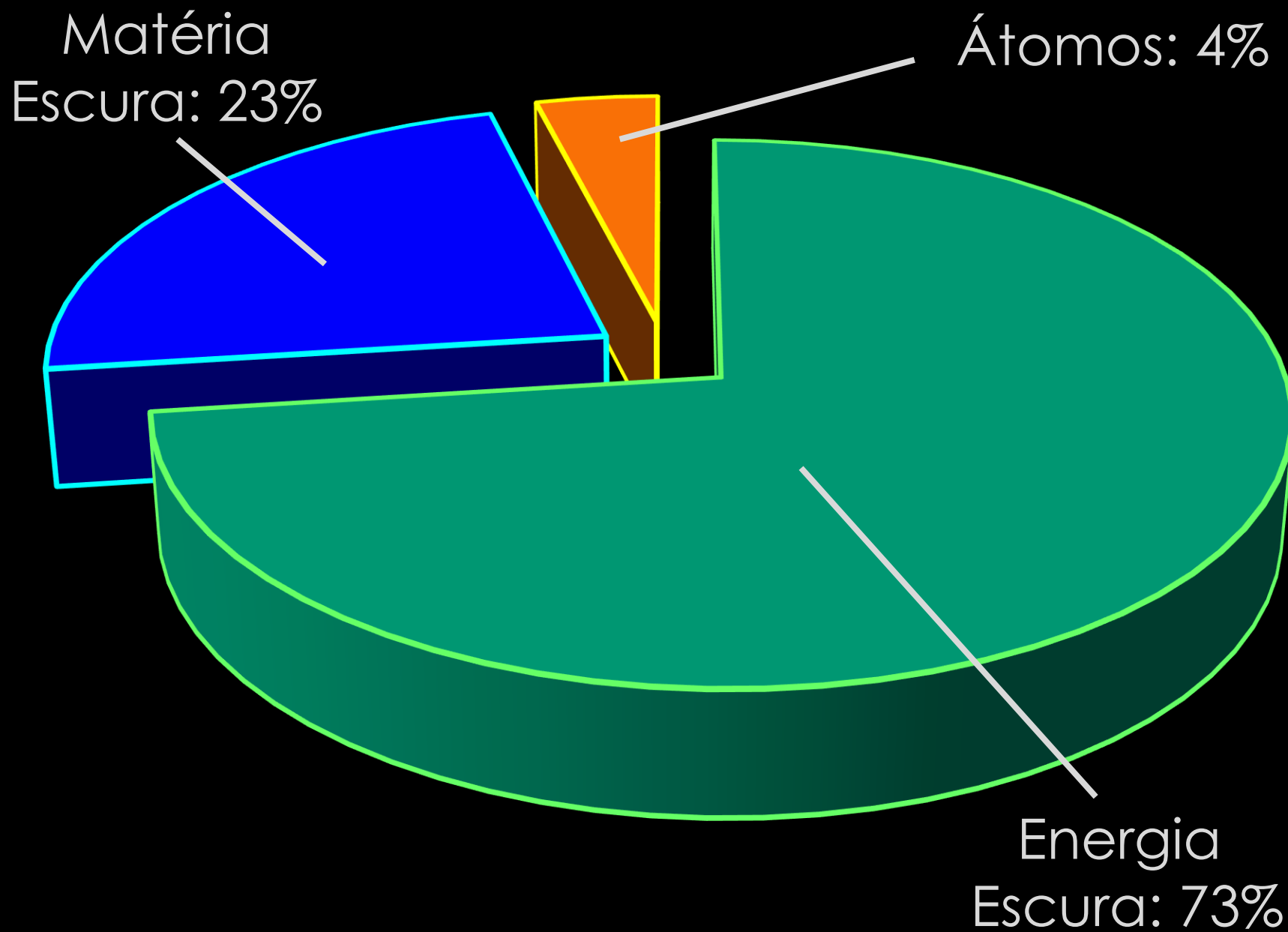
Big-Bang: a teoria mais aceita



Inflação

Big Bang

Matéria Escura e Energia Escura



Uma viagem ao universo conhecido...

