




Sluneční soustava

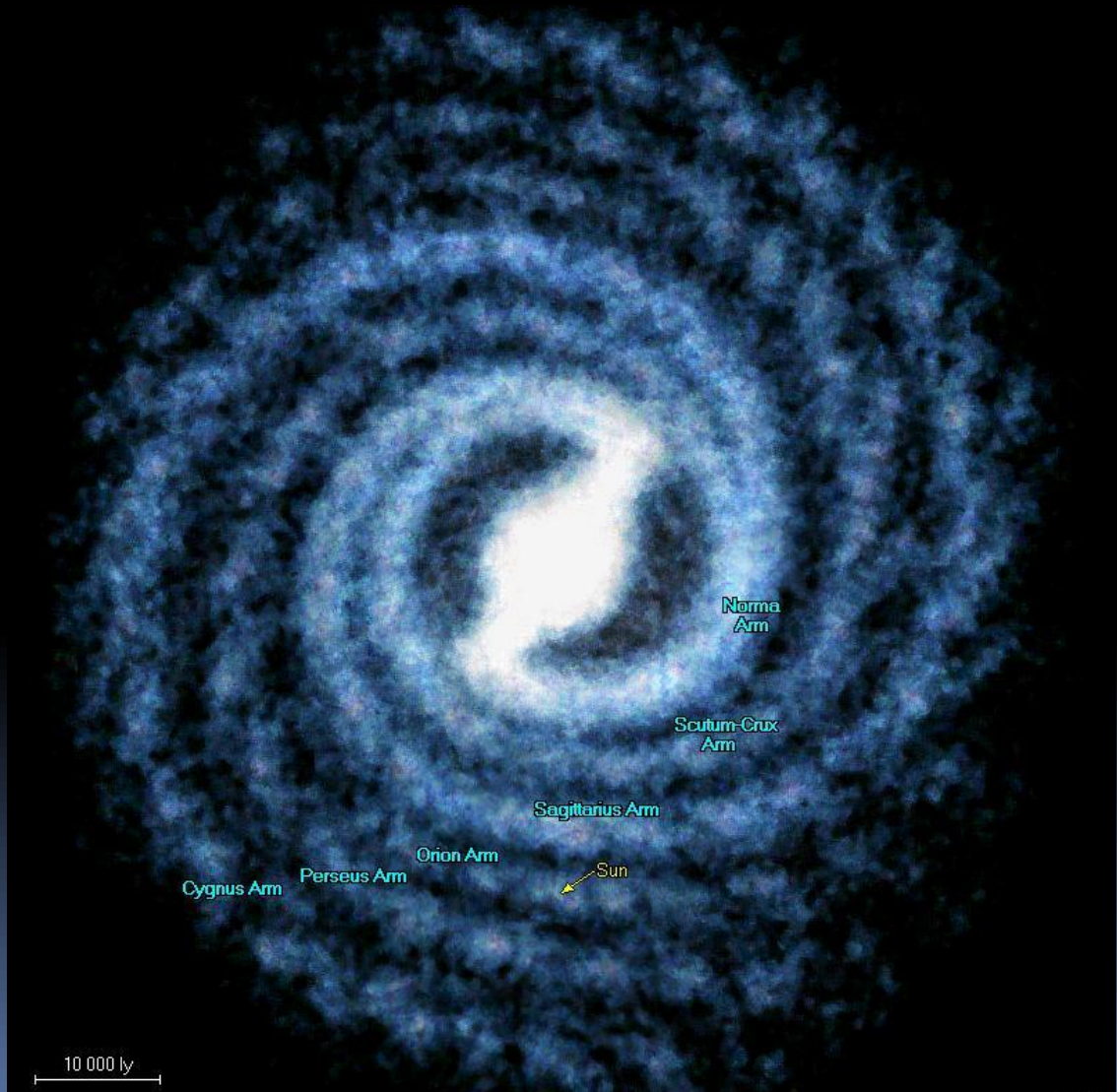
PLANETÁRNÍ GEOGRAFIE



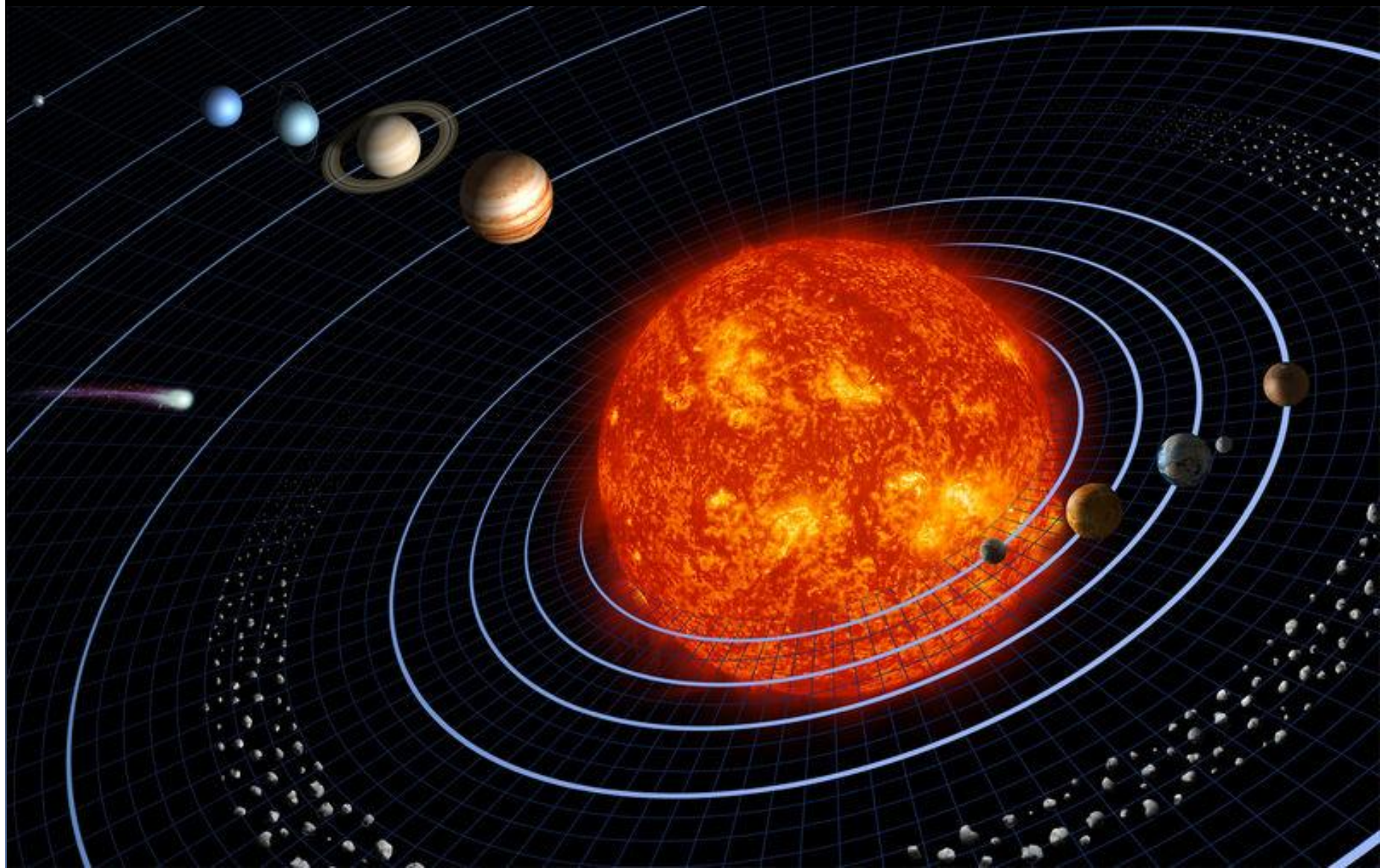
Obsah

- Názory na modely sluneční soustavy
 - Vznik a vývoj sluneční soustavy
 - Klasifikace objektů sluneční soustavy
 - Planety, asteroidy a komety
 - Základy nebeské mechaniky
- 

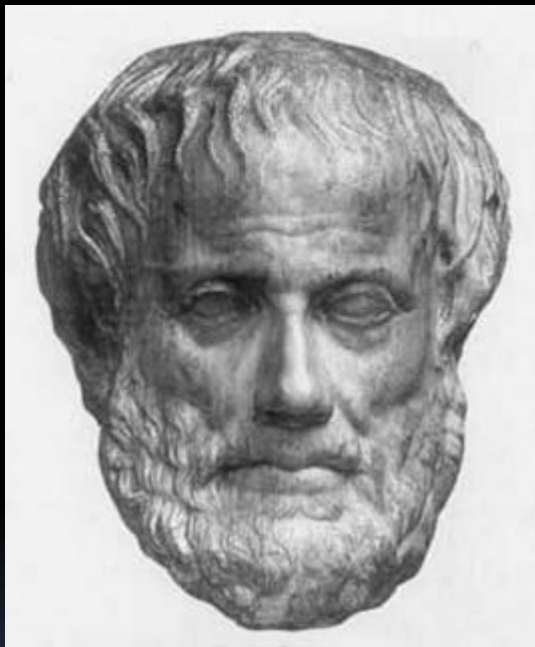
Galaxie



SLUNEČNÍ SOUSTAVA



Modely sluneční soustavy



Aristoteles



Ptolemaios

Modely sluneční soustavy



Mikuláš Koperník

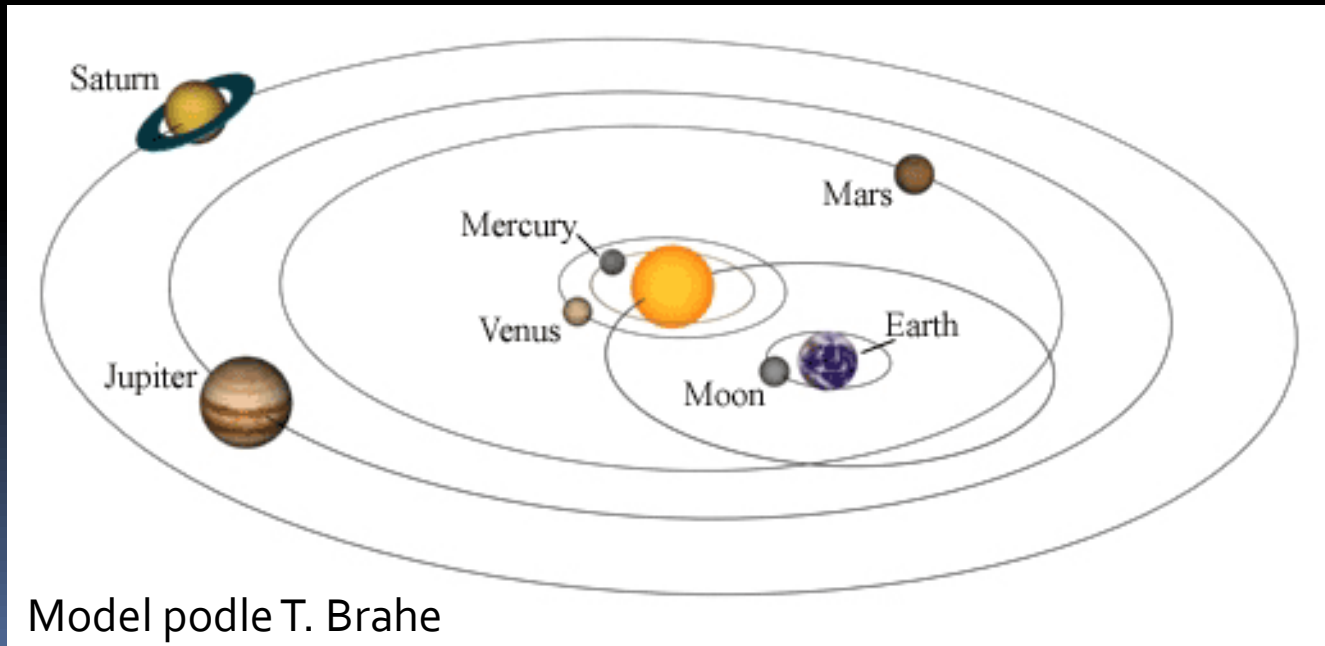
Modely sluneční soustavy



Tycho Brahe

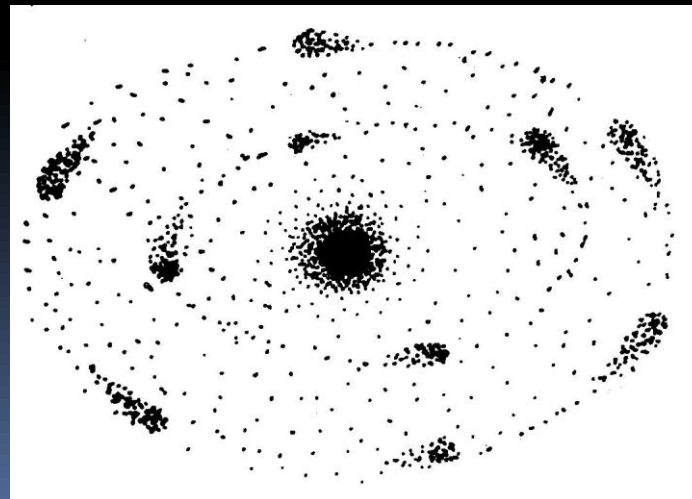
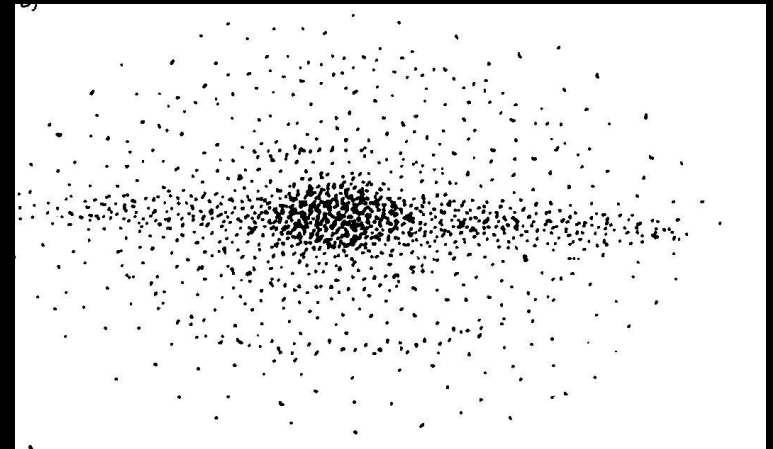
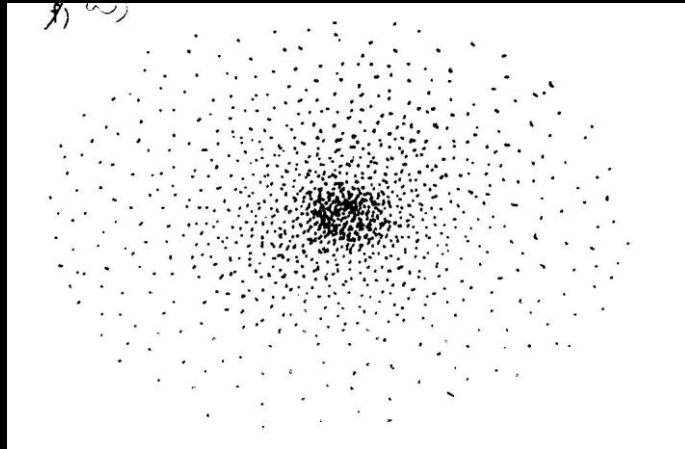


Johanes Kepler

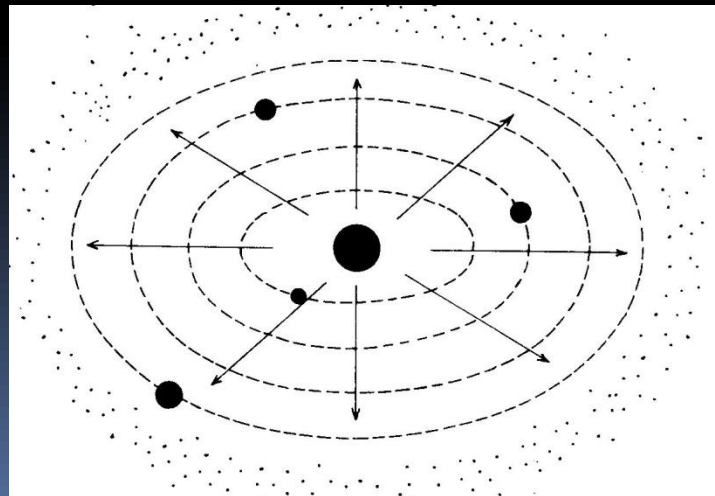
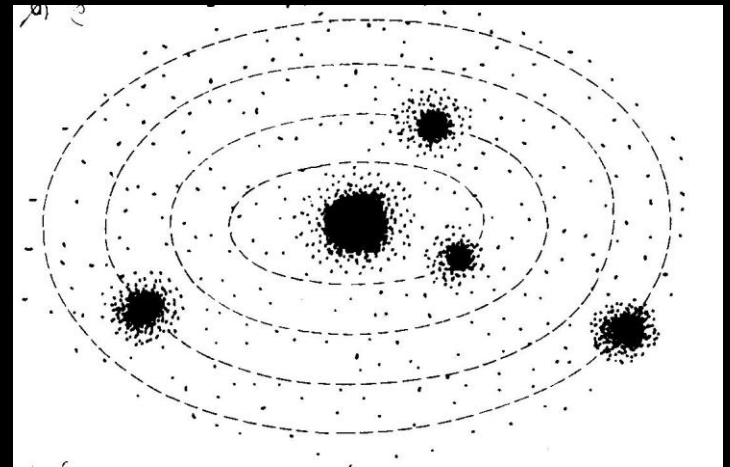
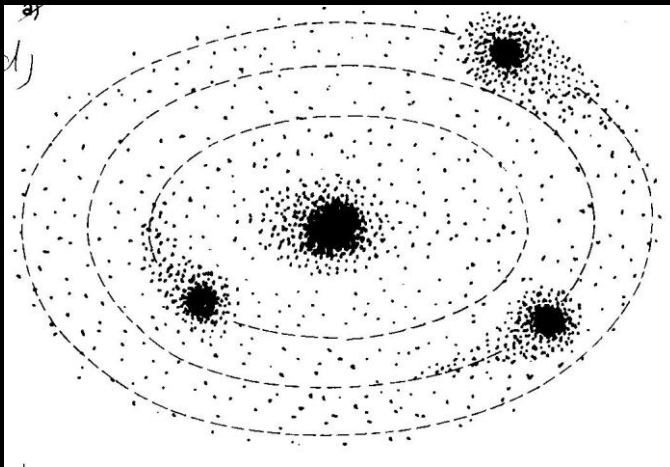


Model podle T. Brahe

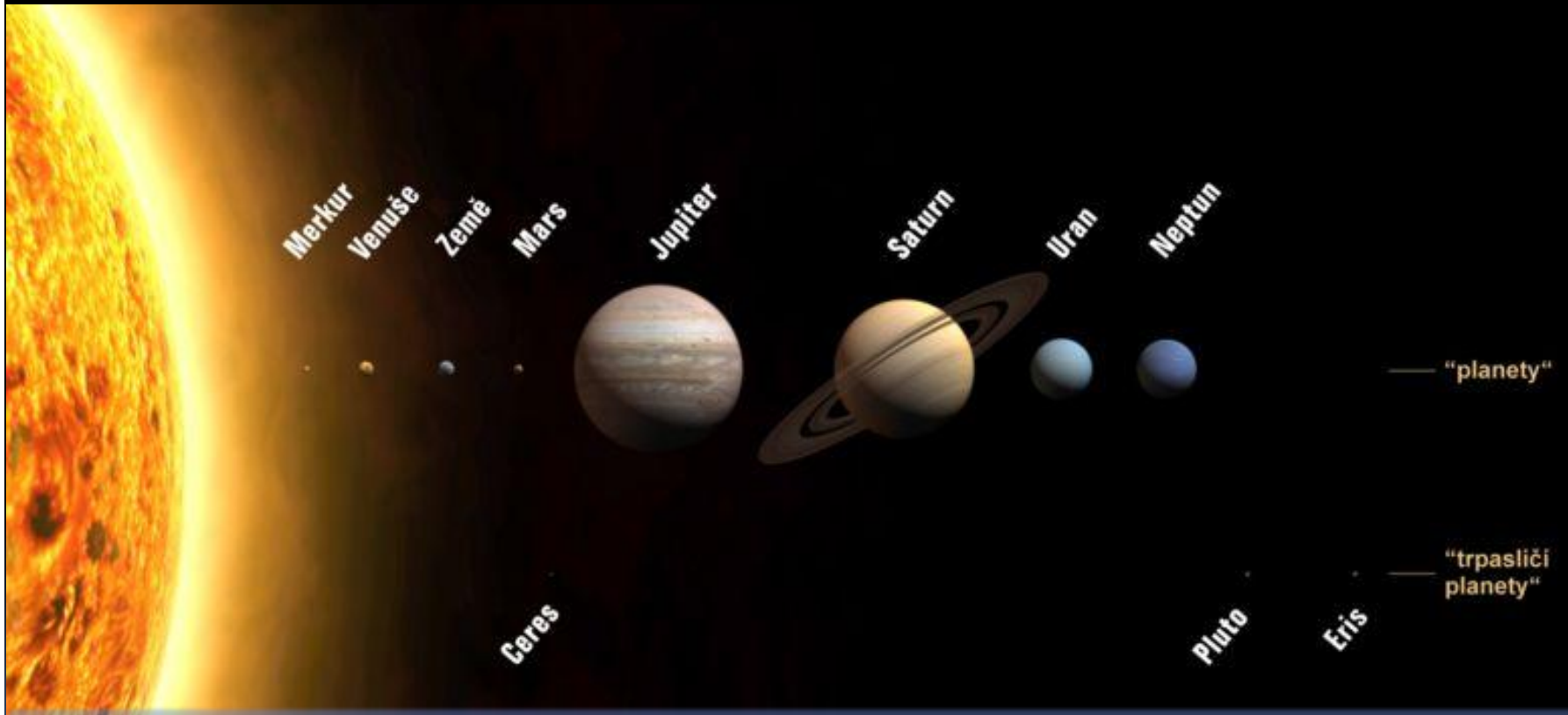
Vznik a vývoj sluneční soustavy



Vznik a vývoj sluneční soustavy

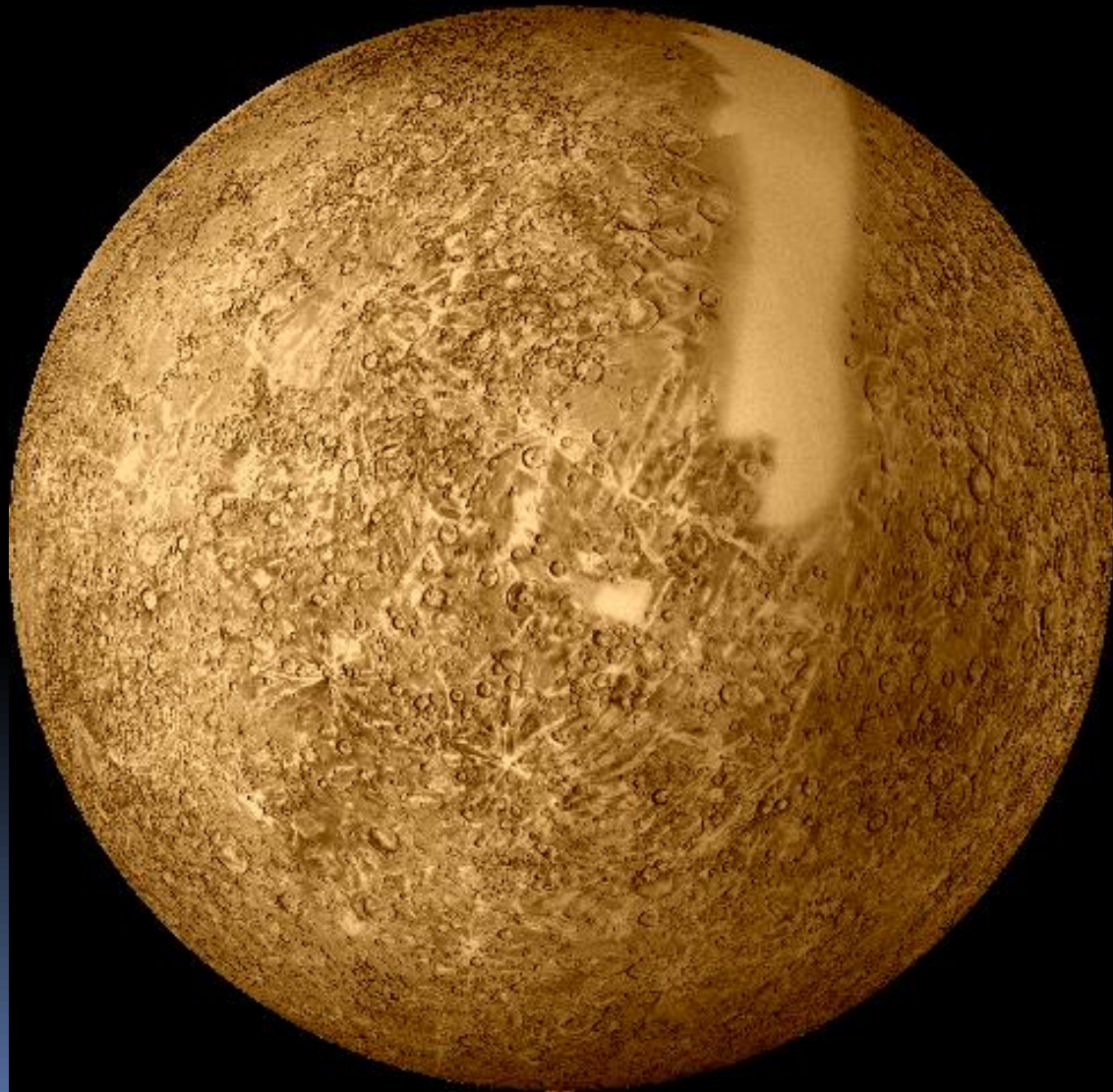


Klasifikace objektů sluneční soustavy



	Merkur	Venuše	Země	Mars	Jupiter	Uran	Neptun	Pluto	
Hustota	kg/m ³	5 430	5 240	5 515	3 940	1 330	700	1 300	1 760
Složení atmosféry	He Na ⁺ P ⁺	CO ₂ N ₂	N ₂ O ₂	CO ₂ N ₂ Ar	H ₂ He	H ₂ He	H ₂ He CH ₄	H ₂ He CH ₄	
Počet měsíců	0	0	1	2	63	57	27	13	
Prstence?	Ne	Ne	Ne	Ne	Ano	Ano	Ano	Ano	

MERKUR



VENUŠE



MARS

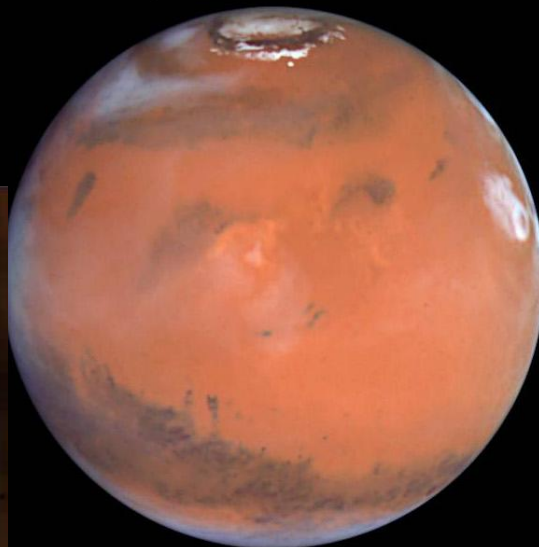
60° délky



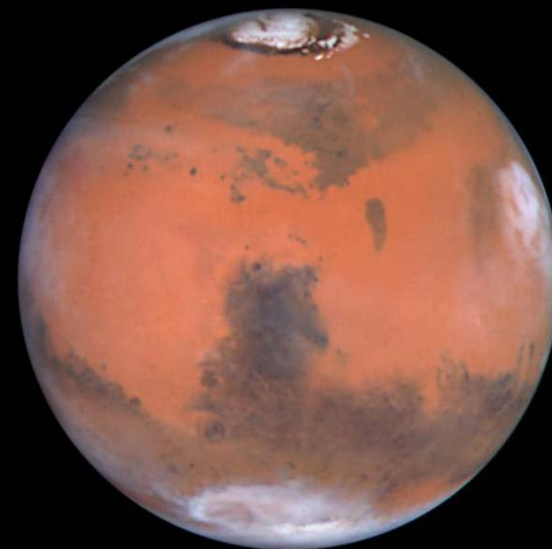
160° délky



215° délky

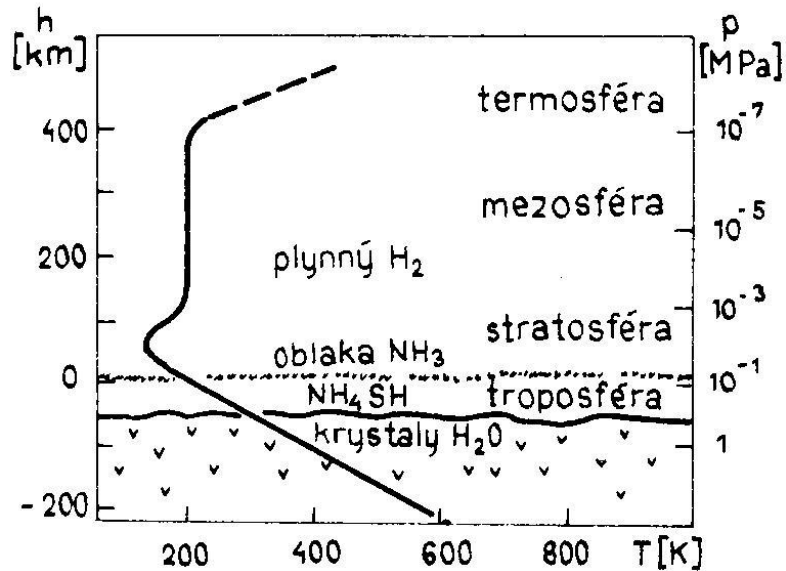


270° délky

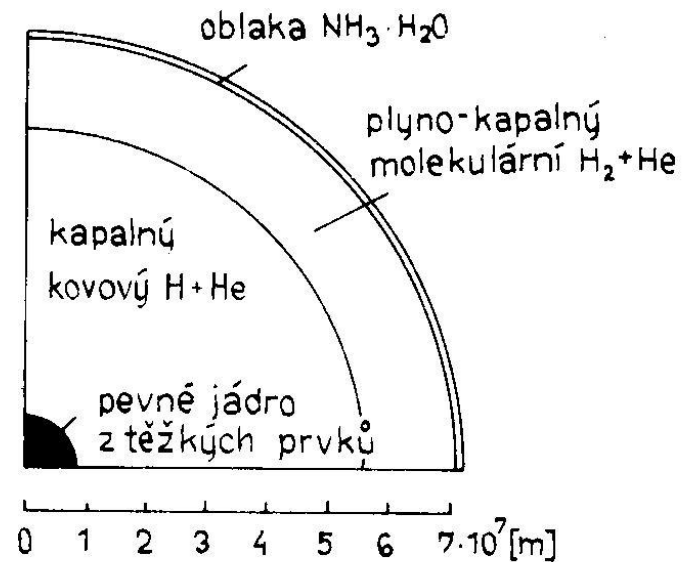


Stavba plynných planet

a)



b)

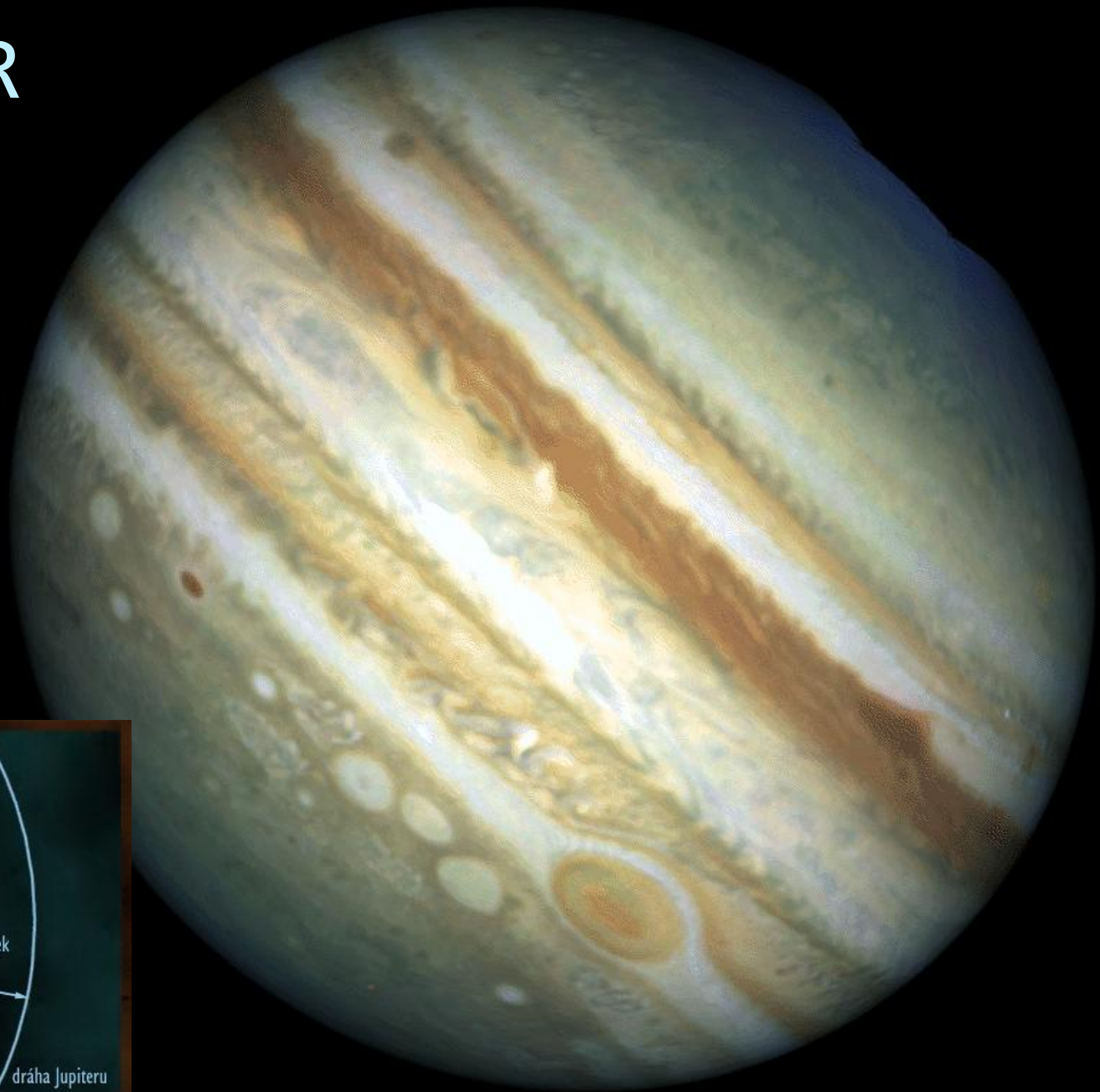


3.8 Atmosféra a stavba Jupitera (podle Z. POKORNÉHO, 1977):

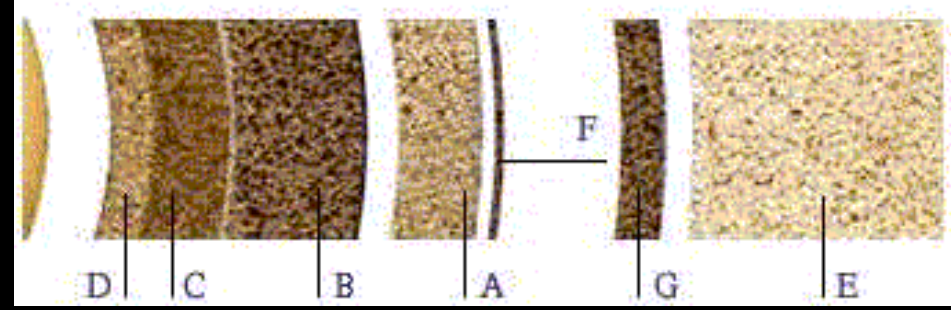
a) složení, tlak a průběh teploty v atmosféře Jupitera,

b) schéma stavby Jupiterova nitra

JUPITER



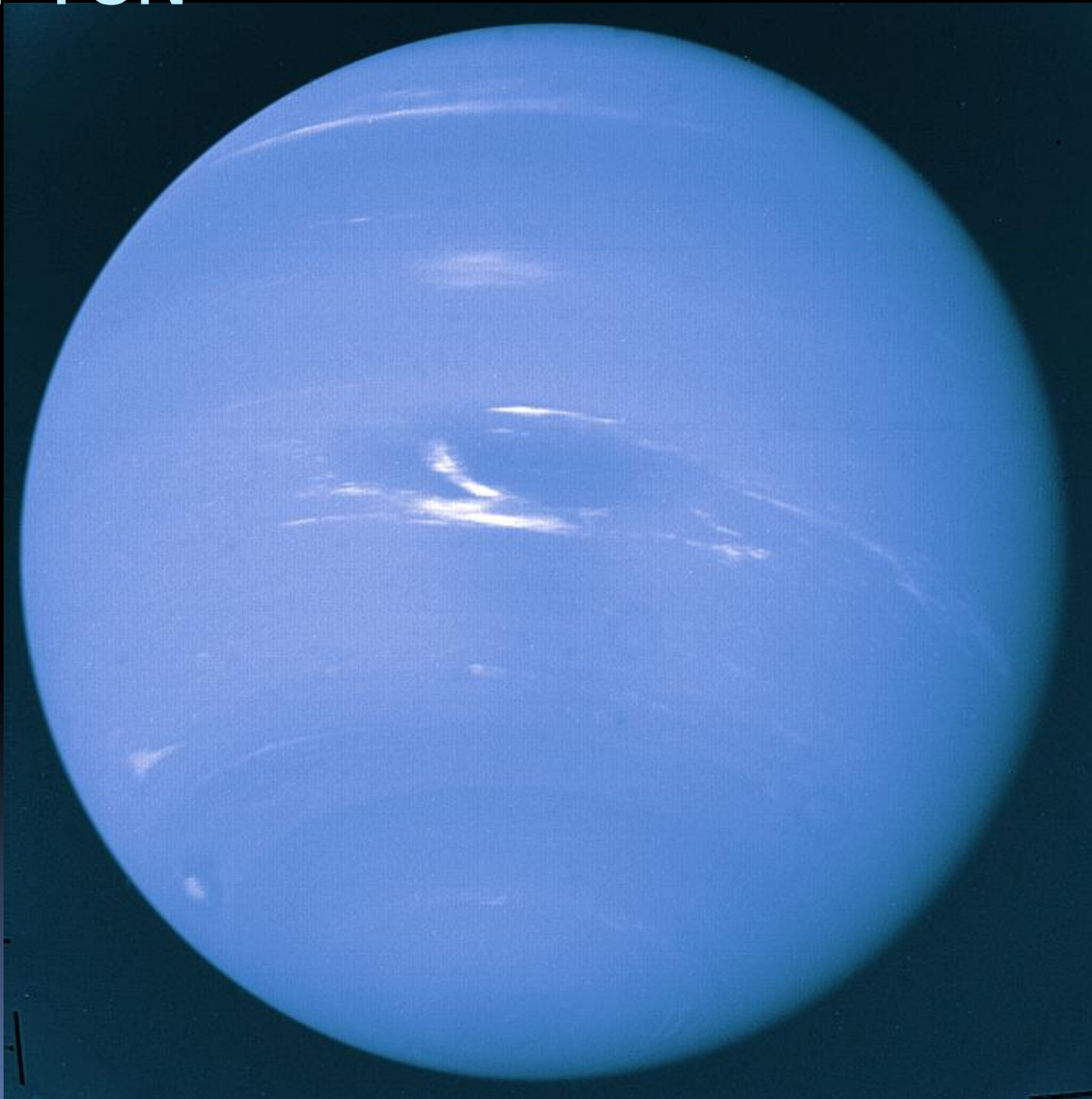
SATURN



URAN



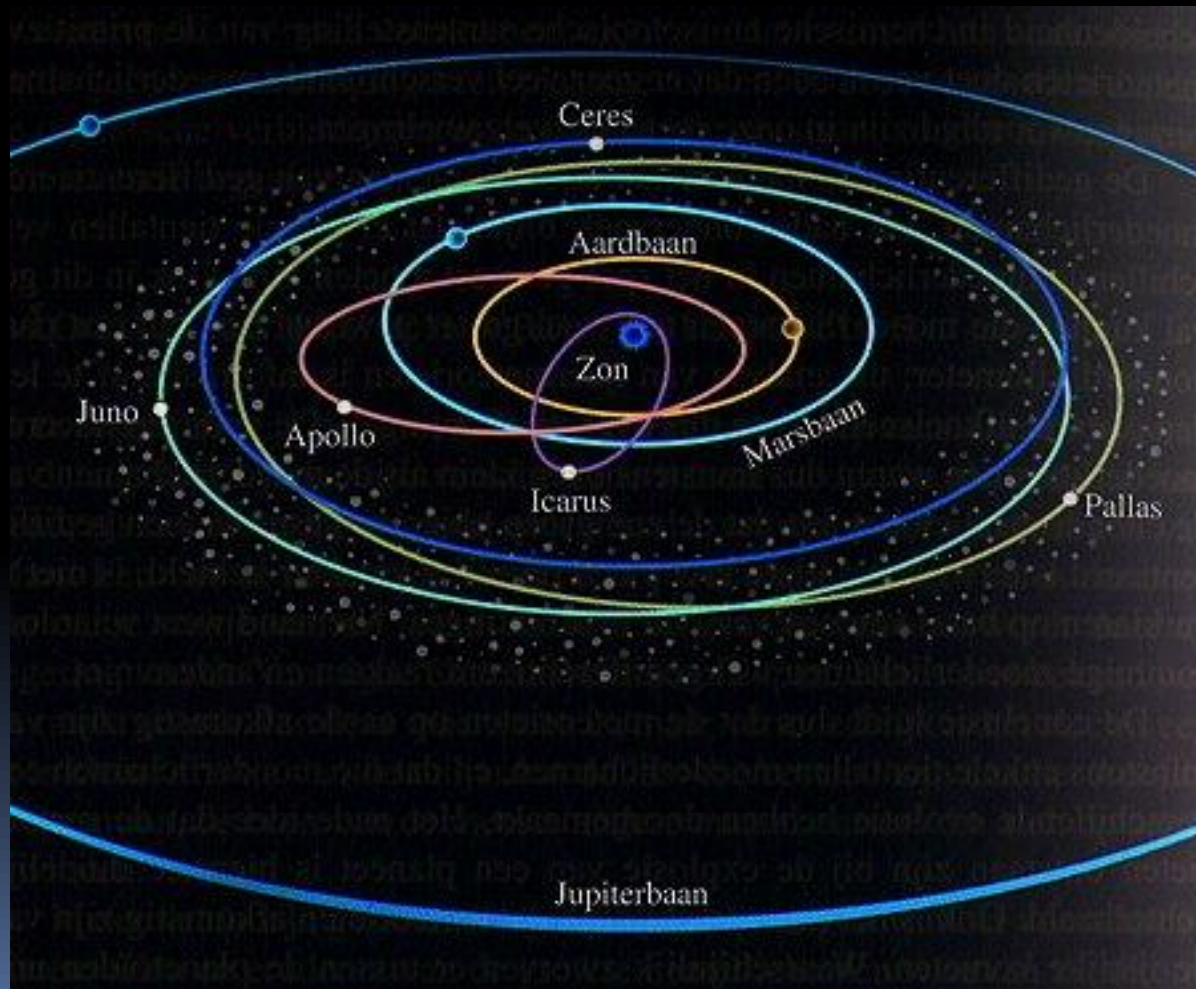
NEPTUN



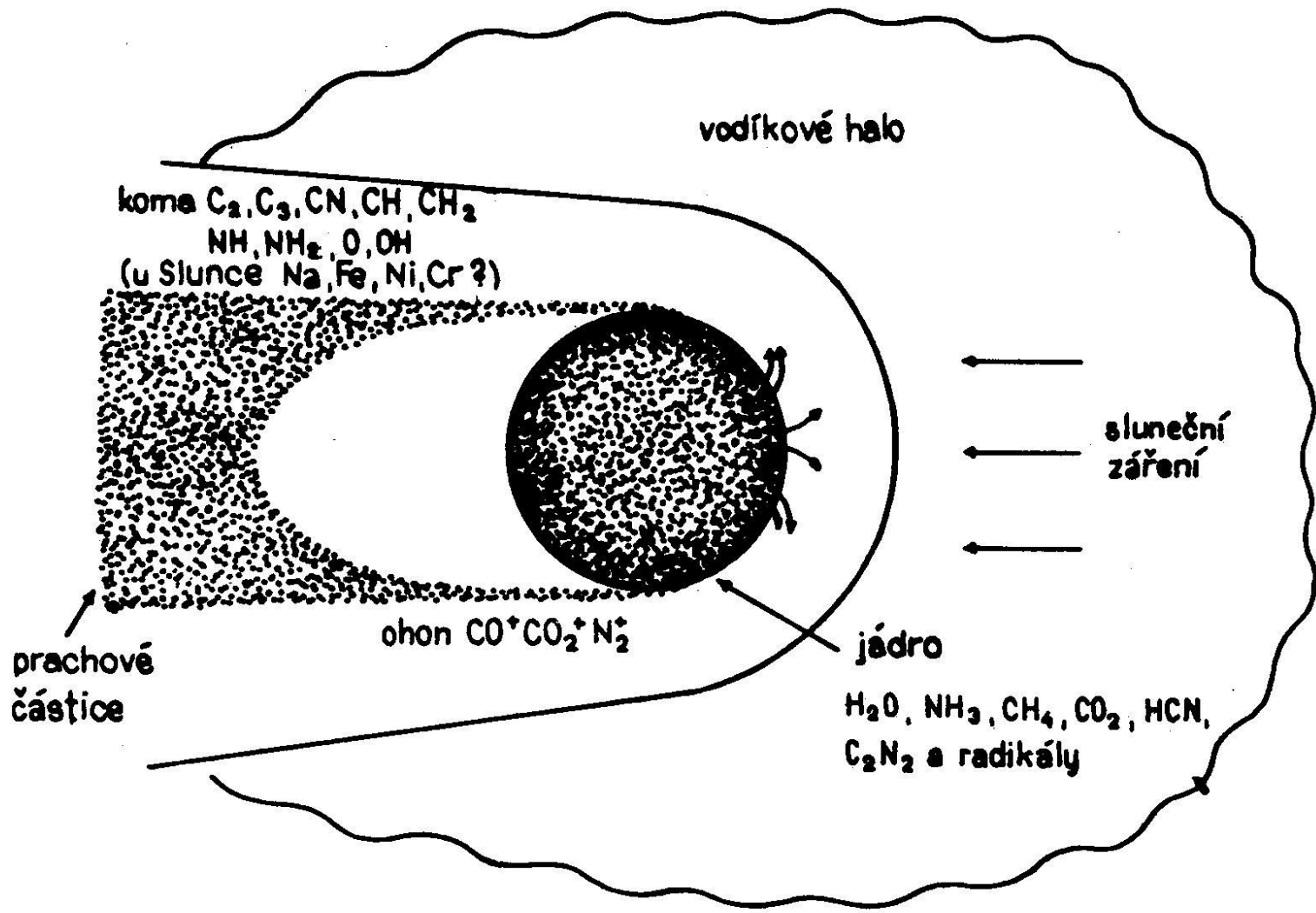
Trpasličí planety



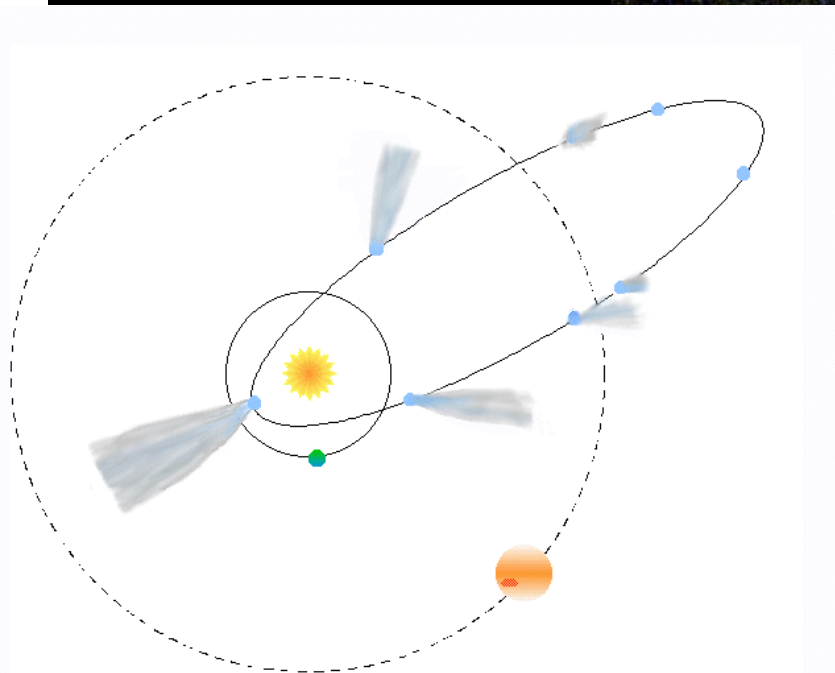
Planetky



Komety



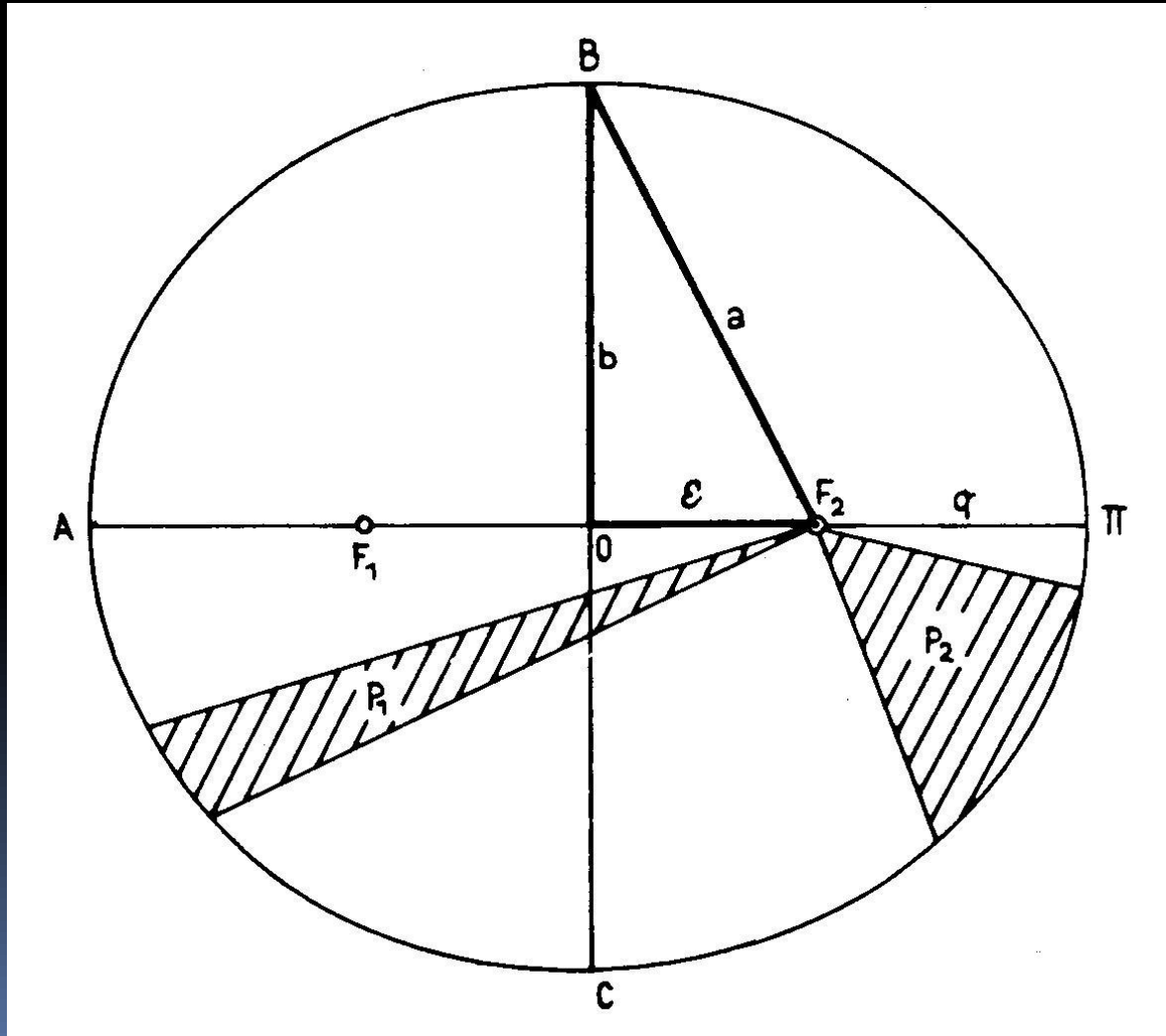
Kometry



Meziplanetární hmota



Oběh tělesa po eliptické dráze



Dráhové elementy těles

