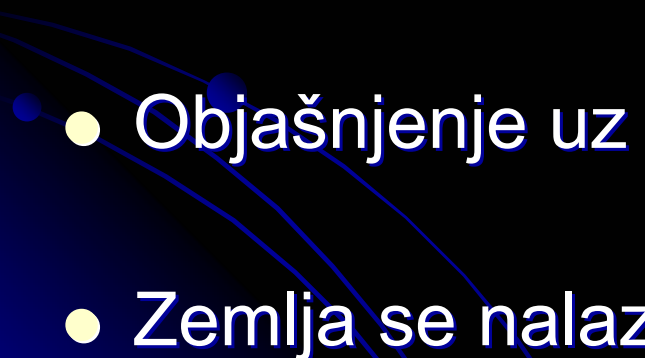


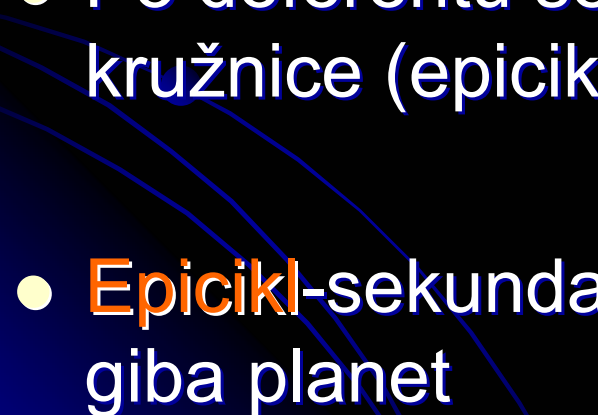
APOLONIJE

Ana Silov
Psihologija
2007/08

Apolonije

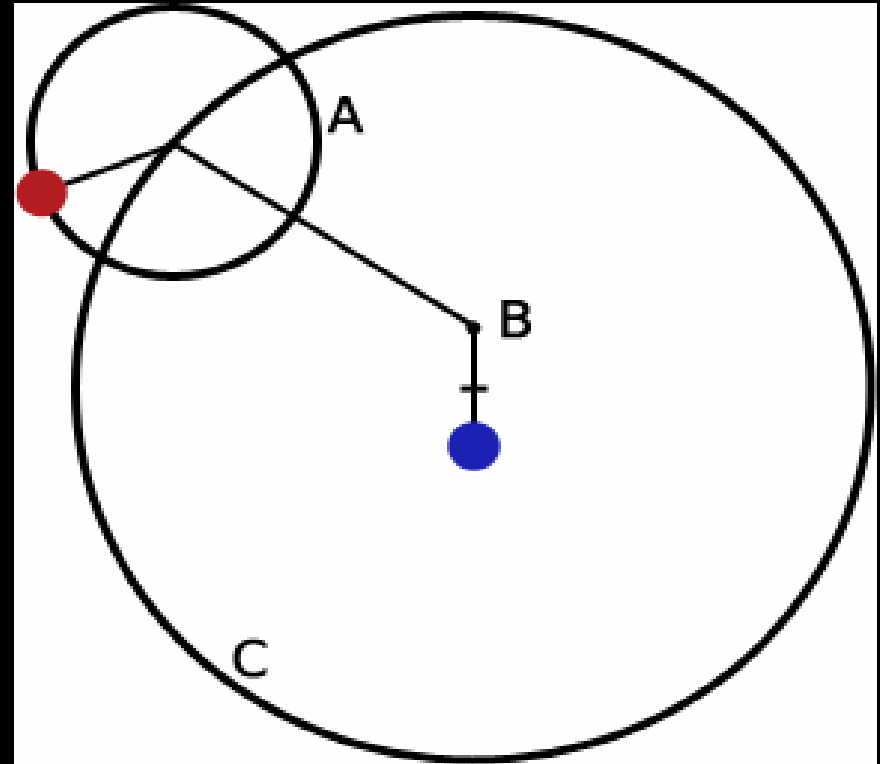
- Glavni problem-retrogradno gibanje tijela
 - Apolonije iz Perge je predložio model planetarnog gibanja
 - Objašnjenje uz pomoć deferenta i epicikla
 - Zemlja se nalazi u središtu svijeta
- 

Deferenti i epicikli

- Središte Zemlje = središte kružnice (deferent)
 - **Deferent** - glavna kružna orbita oko Zemlje
 - Po deferentu se giba središte druge manje kružnice (epicikl)
 - **Epicikl**-sekundarna kružna orbita na kojoj se giba planet
- 
- A diagram in the bottom-left corner shows a large blue arc representing the deferent orbit. A smaller blue arc, representing the epicycle, is drawn on the deferent. Two small blue dots are placed on the epicycle, one at the top and one at the bottom, to illustrate the planet's path as it moves along the epicycle while the epicycle itself moves along the deferent.

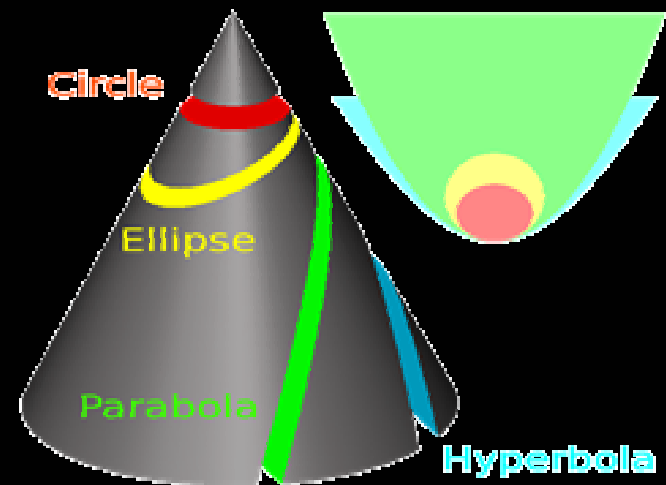
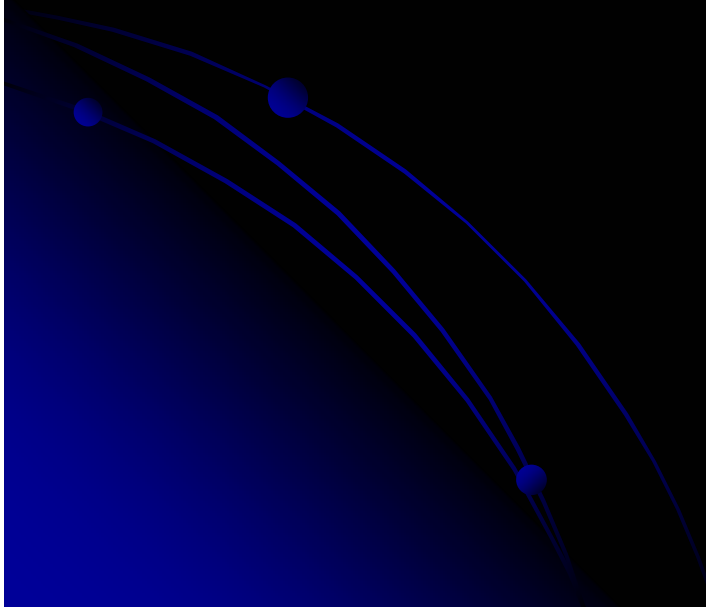
Deferenti i epicikli

- Smatra da se tijelo po deferentu i epiciklu jednoliko okreće
(gibanje planeta nije ni jednoliko ni po kružnici)
- Uvodi ekscentričnu kružnicu po kojoj se giba Sunce



Teorija čunjosječnica

- Važan doprinos u razvoju grčke matematike
- Poznat po teoriji čunjosječnica (presjek stošca)
- Krivuljama dao današnja imena: elipsa, hiperbola i parabola



Literatura

- Dadić, Ž. (1992). *Povijest ideja i metoda u matematici i fizici*. Zagreb: Školska knjiga.
- <http://wikipedia.org>

