HELGE EICHHORN – EUROSCIPY 2015

SPACE MISSION DESIGN WITH PYTHON

TECHNISCHE
UNIVERSITÄT
DARMSTADT

esa

esoc

european space
operations center

https://github.com/helgee

WHAT IS SPACE MISSION DESIGN?

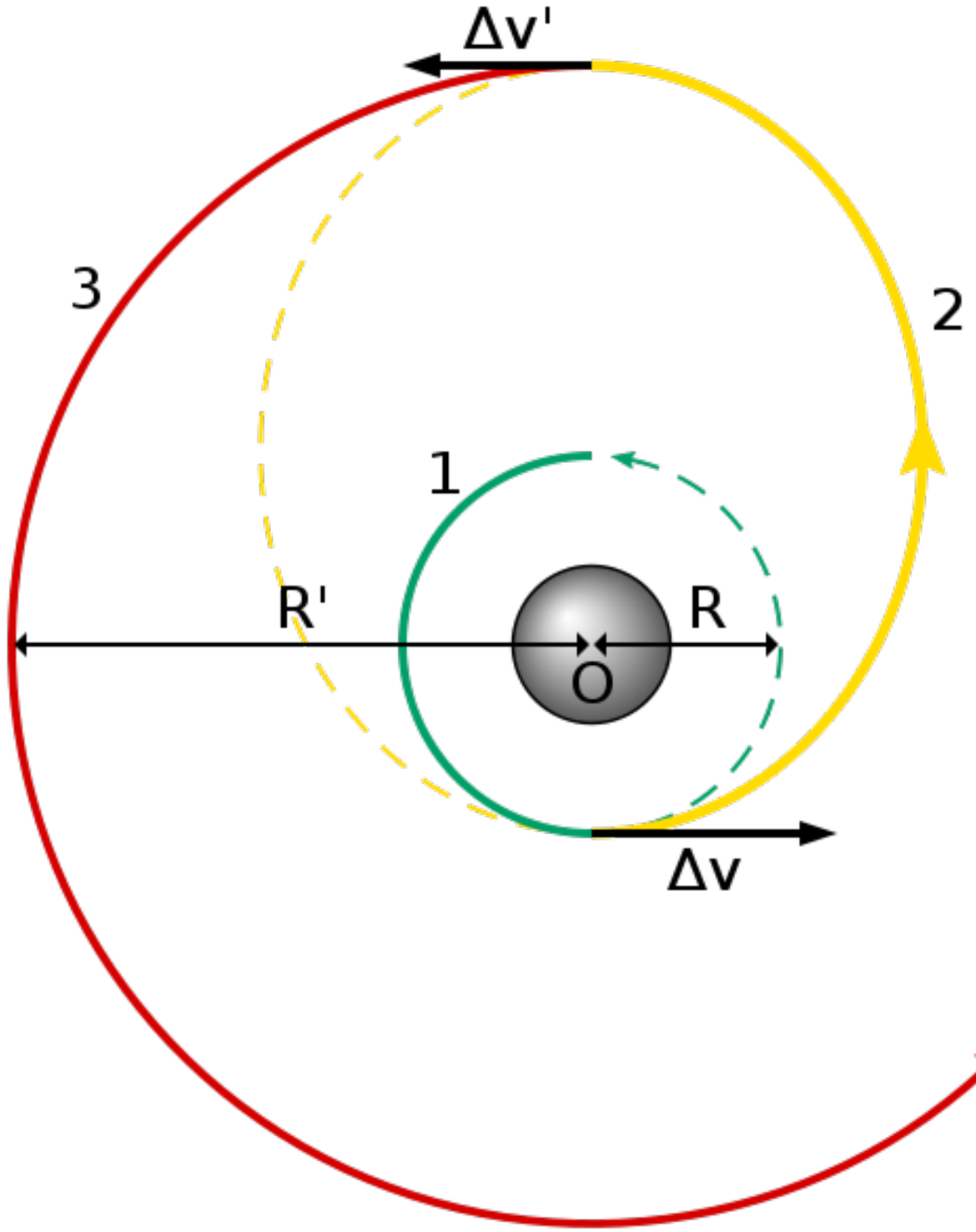
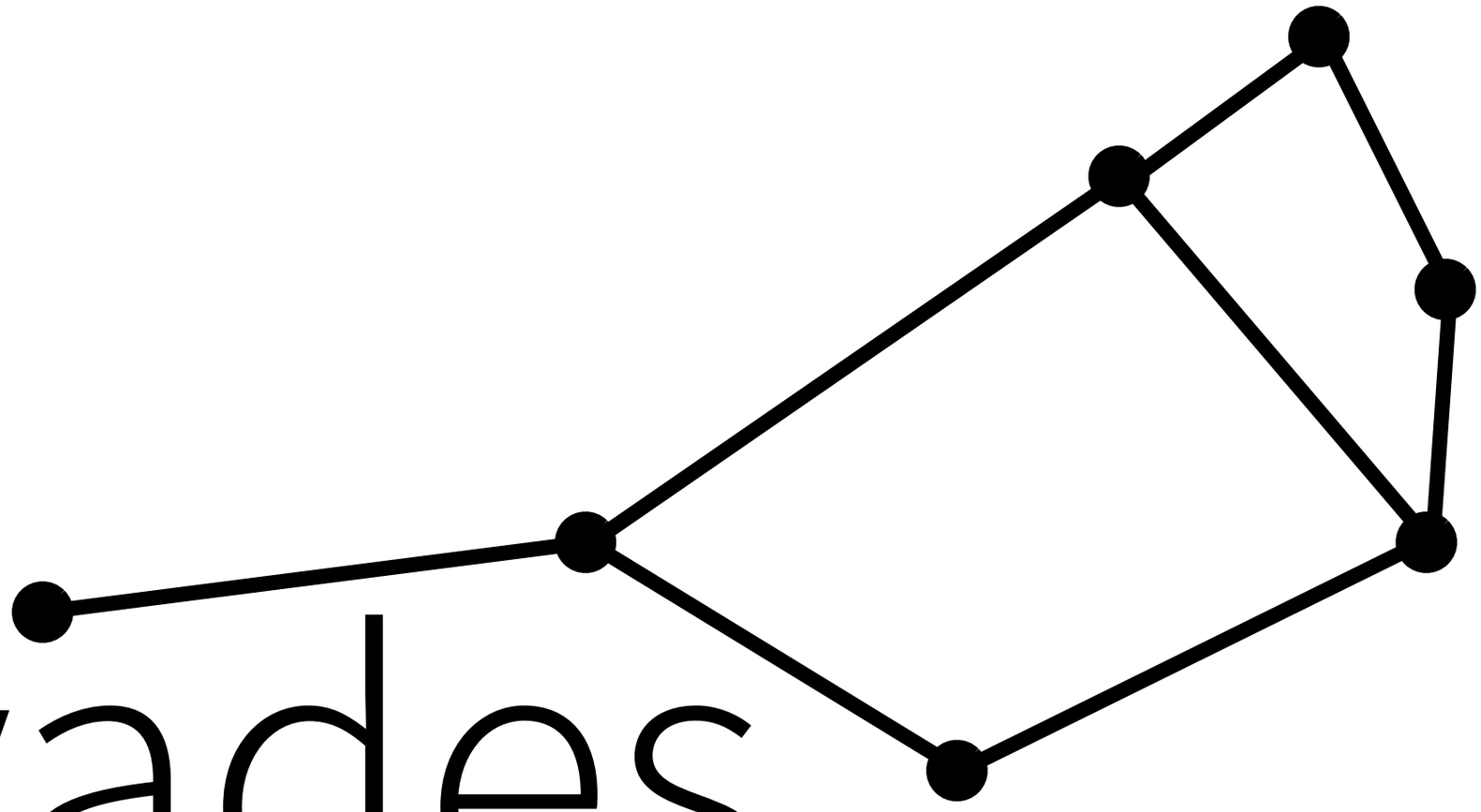


IMAGE SOURCE: HTTP://EN.WIKIPEDIA.ORG/WIKIFILE:HOHMANN_TRANSFER_ORBIT.SVG

WHY PYTHON?



Plyades

https://github.com/helgee/plyades

WHY NOT PYTHON?

Java™

C++

julia

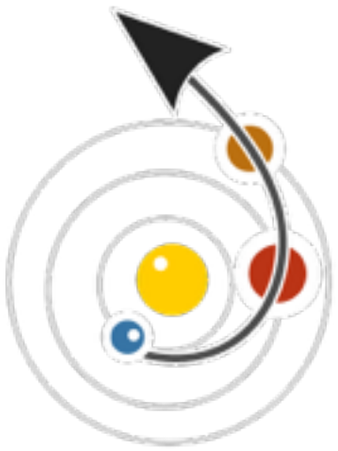
Astrodynamics.jl

https://github.com/helgee/Astrodynamics.jl

JPLEphemeris.jl

https://github.com/helgee/JPLEphemeris.jl

OTHER PYTHON-BASED ASTRODYNAMICS PROJECTS



poliastro

Astrodynamics in Python

https://poliastro.github.io/

http://esa.github.io/pykep/