Influence of Jupiter-like Planets on Centaur Transits to the Inner Solar System

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## Required

* C++
* g++ (or another c++ compiler)
* CMake (only for vtk-visualisation)
* Python with the packages:
  + Numpy
  + Pandas
  + Matplotlib
  + Itertools
  + Pyorb (for kepler orbits)
* Jupiter notebook

## g++ compilation command

g++.exe -fdiagnostics-color=always -O3 -march=native -std=c++17 {filepath\_to\_compile} -o {filepath\_to\_save\_.exe} -g

## planet- & celestialData source

NASA Jet Propulsion Laboratory, "JPL Horizons System," California Institute of Technology, Pasadena, CA, 2023. [Online]. Available: https://ssd.jpl.nasa.gov/horizons/. [Accessed: January. 2025].