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Subject: Re: Planetary ephemeris library?  
Posted by [chris](#) on Tue, 02 May 1995 07:00:00 GMT  
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Anton Ivanov (anton@mola.gps.caltech.edu) wrote:

: I'm just wondering - is there any library which performs physical  
: ephemeris calculations for planets. Like subearth/subsolar latitude/longitude,  
: position angle etc.  
: I wrote some extrapolation for Astronomical Almanac, but I don't like it.

I'm not sure if this is what you want, but I have written an IDL program which drives the JPL Planetary Ephemeris, (which you must download from [navigator.jpl.nasa.gov](http://navigator.jpl.nasa.gov)) Basically it gives the position and velocity of any planet w/ respect to any other planet, including the Solar System Barycenter, Earth-Moon barycenter & Moon.

Presently, its setup in a somewhat machine specific way, but I intend to make it portable in the near future. Let me know if this is what you want.

-chris

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