Subject: satellite orbit computation in IDL

Posted by cseynat on Thu, 04 Mar 2004 00:39:15 GMT

Hello all,

I am looking for IDL routines computing satellite positions as a
function of time, given a set of initial orbital parameters.

I have implemented basic orbit computation routines myself (based on
Keplerian parameters), but I am looking for very accurate orbit
propagation involving atmospheric drag, luni-solar perturbations,
earth tides etc.

I have looked on the IDL libraries available on the web but did not
find anything. If you have implemented such routines or if you can
suggest who I can contact, I would very much appreciate to hear from
you.

Many thanks
Cedric