"Physics for Flash Games, Animation, and Simulations"

by Dev Ramtal and Adrian Dobre, published by Friends of ED, 2011

Notes on the "Solar System" simulation in chapter 16

The planetary data used in this simulation has been obtained from NASA's HORIZONS system at the following web address: http://ssd.jpl.nasa.gov/horizons.cgi

A sample of this data is reproduced here with permission from Jon Giorgini of NASA's Jet Propulsion Laboratory.

Note that the HORIZONS system is frequently updated as new measurement data is incorporated. The implication is that if you download data at a different time you may not obtain exactly the same figures to 16-digit accuracy. However, any discrepancies will be very small, and should have no visible effect on the results of the simulation in the book.

For reference, the source of the data given herein is the following:

"NASA/JPL Horizons (DE405/406), http://ssd.jpl.nasa.gov/?horizons, Giorgini JD and JPL Solar System Dynamics Group, 2011-Sep-06."