

Initial Conditions of Long Term simulations of the Solar System

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The main research in PHYD01 explores the work done predominantly by J. Laskar and H. Rein.

I use the IAS15 integrator [2]

```
from __future__ import division
import rebound
rebound.reset()
rebound.integrator = "ias15"
```

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- [1] Laskar, J., and M. Gastineau (2009), *Nature* **459**, 817.
 - [2] Rein, H., Spiegel, D.S., 2015. IAS15: a fast, adaptive, high-order integrator for gravitational dynamics, accurate to machine precision over a billion orbits. *MNRAS* **446**, 14241437.1409.4779
 - [3]

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