This directory contains the code for one particular sensitivity analysis of the planets simulation:

Name: SA23 – nodes are positioned randomly with respect to temperature, rather than being regularly spaced (at constant intervals).

Description: in the standard model, the first node is positioned at Tmin, the last at Tmax, and the remainder (if there are any) regularly between them. So if there are three in total then the third is positioned exactly half-way between Tmin and Tmax. In this sensitivity analysis the remaining nodes (if there are any) are each placed at random temperatures between Tmin and Tmax and then sorted in rank temperature order. The parameter ‘Tgap’ is no longer used.

The following files were altered in order to implement this sensitivity analysis:

determine\_feedbacks.m

calc\_asymmetry.m

calc\_attractor\_properties.m

calc\_runaways.m

initialise\_slave.m

planets\_ODE.m

planets\_jac.m

ts\_slave.m