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

Name: SA24 – stabilisation bias

Description: This sensitivity analysis imparts an overall stabilisation bias to the temperature feedbacks of planets. This is in recognition of the fact that the Stefan-Boltzmann Law which dictates that the rate of radiative heat loss (black-body radiation) from a planet is a function of its effective (radiating) temperature (in Kelvin) raised to the fourth power. All else being equal this tends to impart a stabilising tendency when combined with heat inputs such as solar radiation. This change is implemented by adding a sliding scale (T-dependent) to the feedbacks. This varies linearly between + at Tmin and – at Tmax.

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

determine\_feedbacks.m