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

Name: SA25 - bias towards positive trends

Description: All main sequence stars increase in luminosity over time, albeit rather slowly for red dwarf stars. If all other factors that can induce trends are equally likely to promote warming or cooling (this may not be true), or if warming or cooling trends are equally likely when all factors except variable luminosity are considered, then the positive bias associated with luminosity should make warming trends more likely on average. This has been implemented here by adding a fixed positive amount to the randomly-determined trends, so that they are calculated according to

rather than according to:

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

determine\_trend.m