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

Name: SA31 - non-linear forcings

Description: The increase over time in the luminosity of the Sun happened to be almost linear but temporal forcings in general need not be. Forcings could for instance follow a more logarithmic (steep initial increase followed by ‘flattening out’ at higher values) or more exponential (modest initial increases followed by steep later increases). The shape of the temporal forcing () was made to be non-linear by multiplying at each by where *tmax* is 3 By and the exponent γ is (exponential shape) or (logarithmic shape), with equal probability.

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

set\_constants.m

planets\_ODE.m

determine\_trend.m