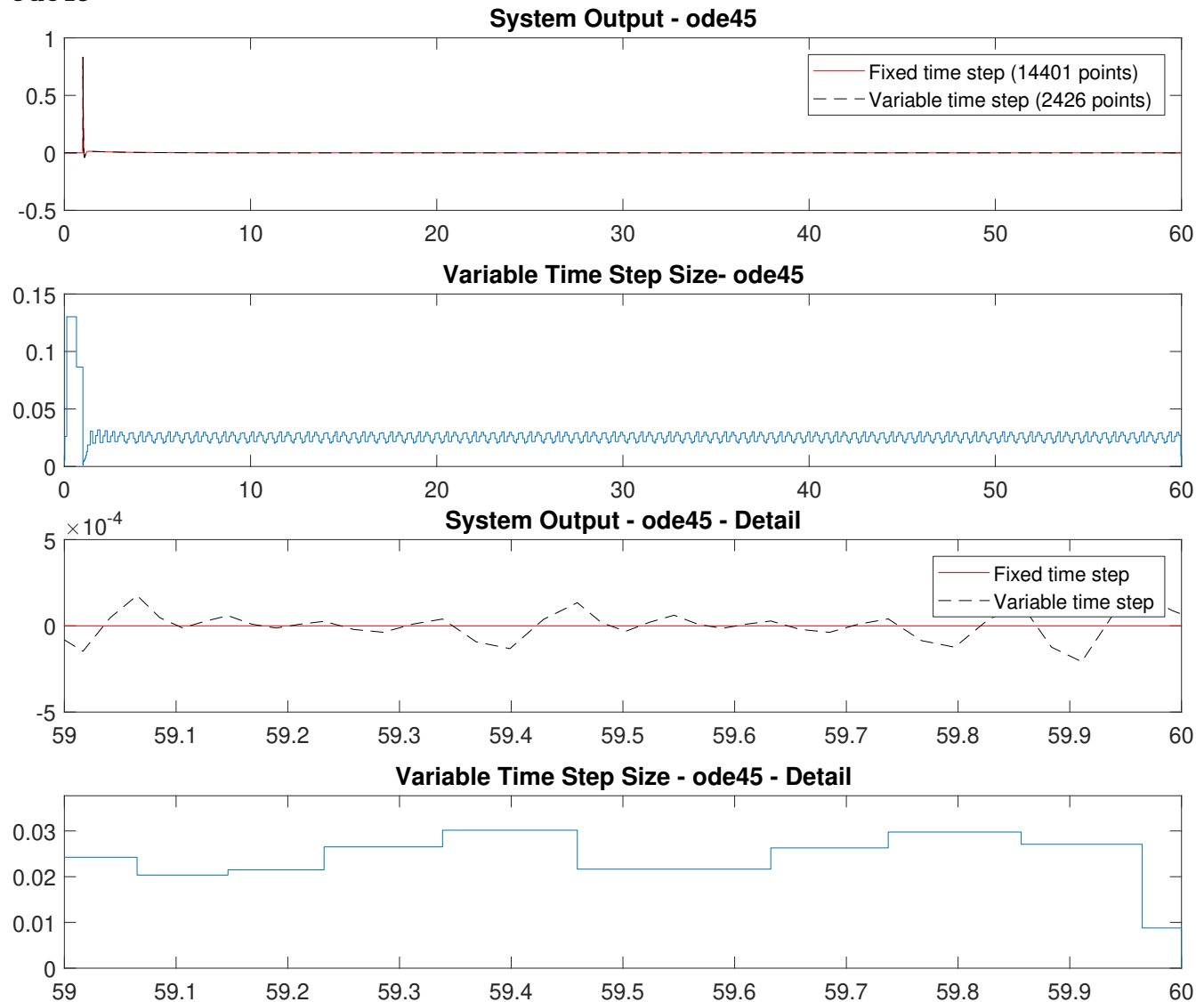


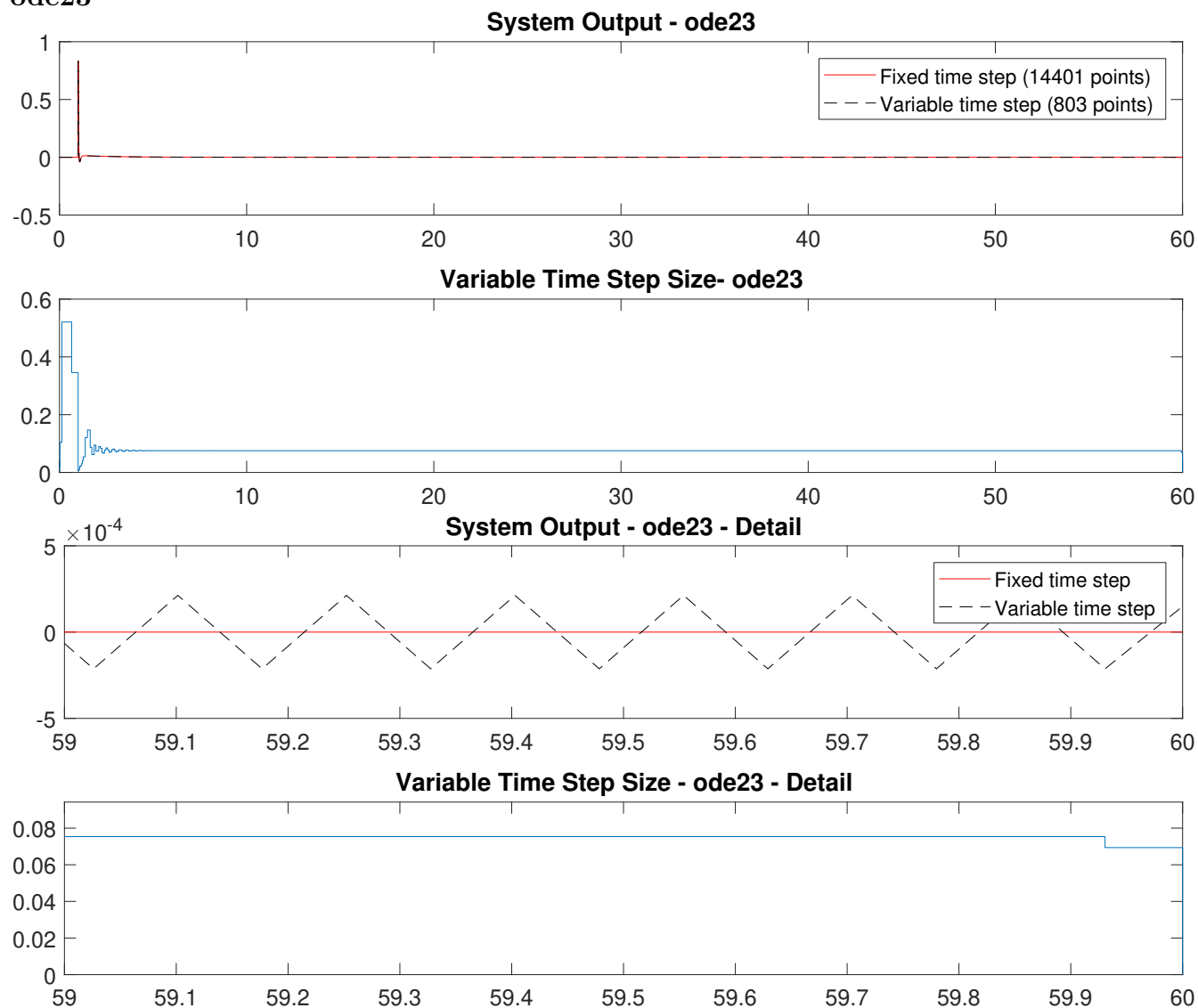
Step Results of a 3rd Order State Space System

Building on the previous ODE45 comparison, the code was altered to test a variety of variable step MATLAB ode solvers. Simulation time was set to one minute so that step variations could be observed post disturbance. It should be noted that max step size was limited to 20 seconds.

ode45

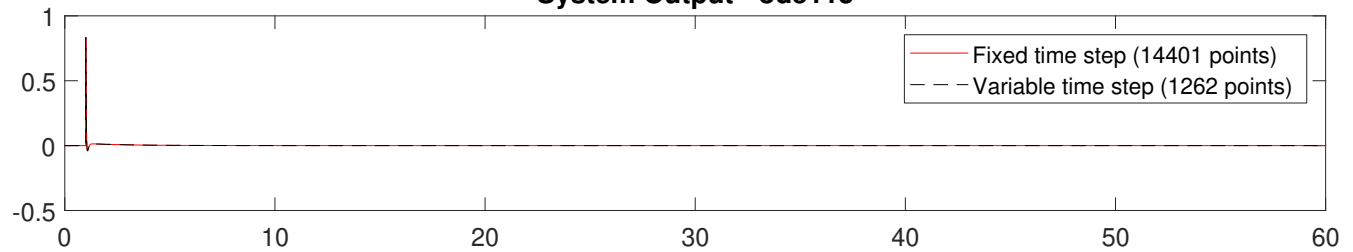


ode23

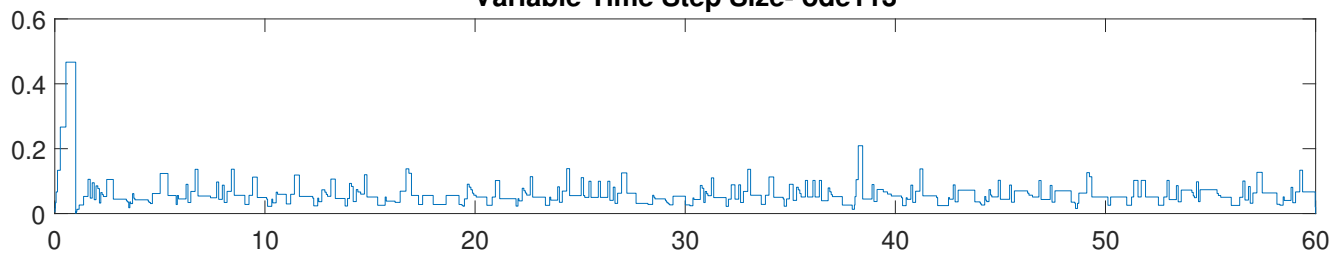


ode113

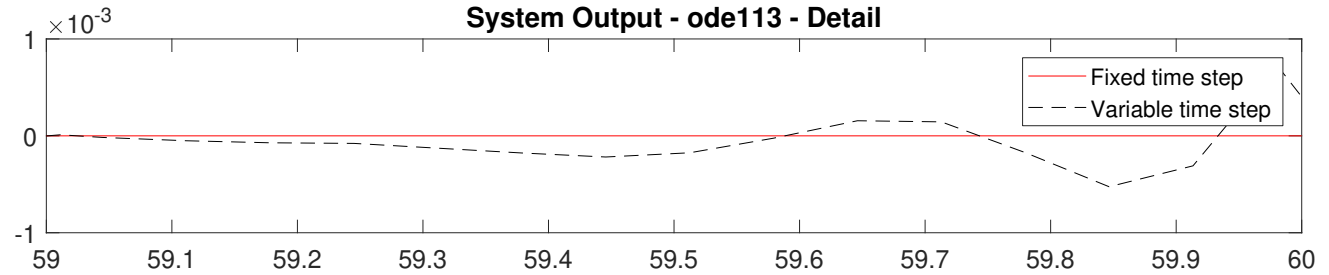
System Output - ode113



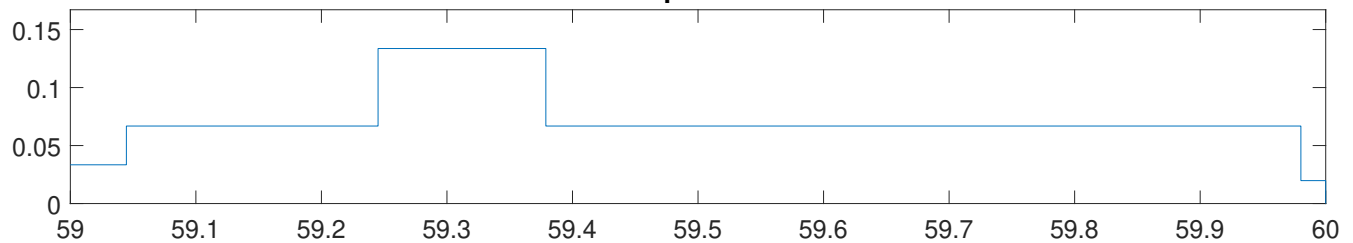
Variable Time Step Size- ode113



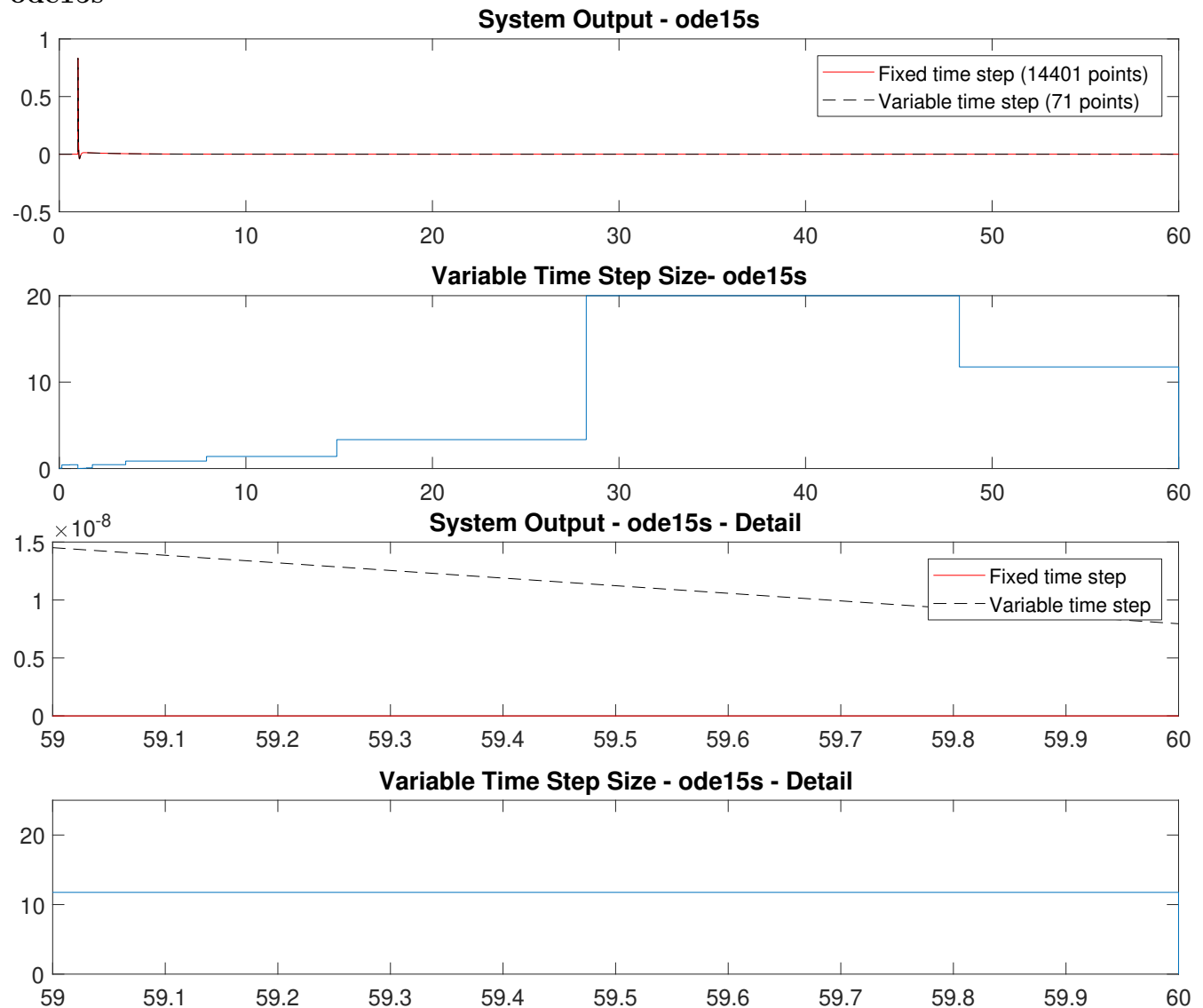
System Output - ode113 - Detail



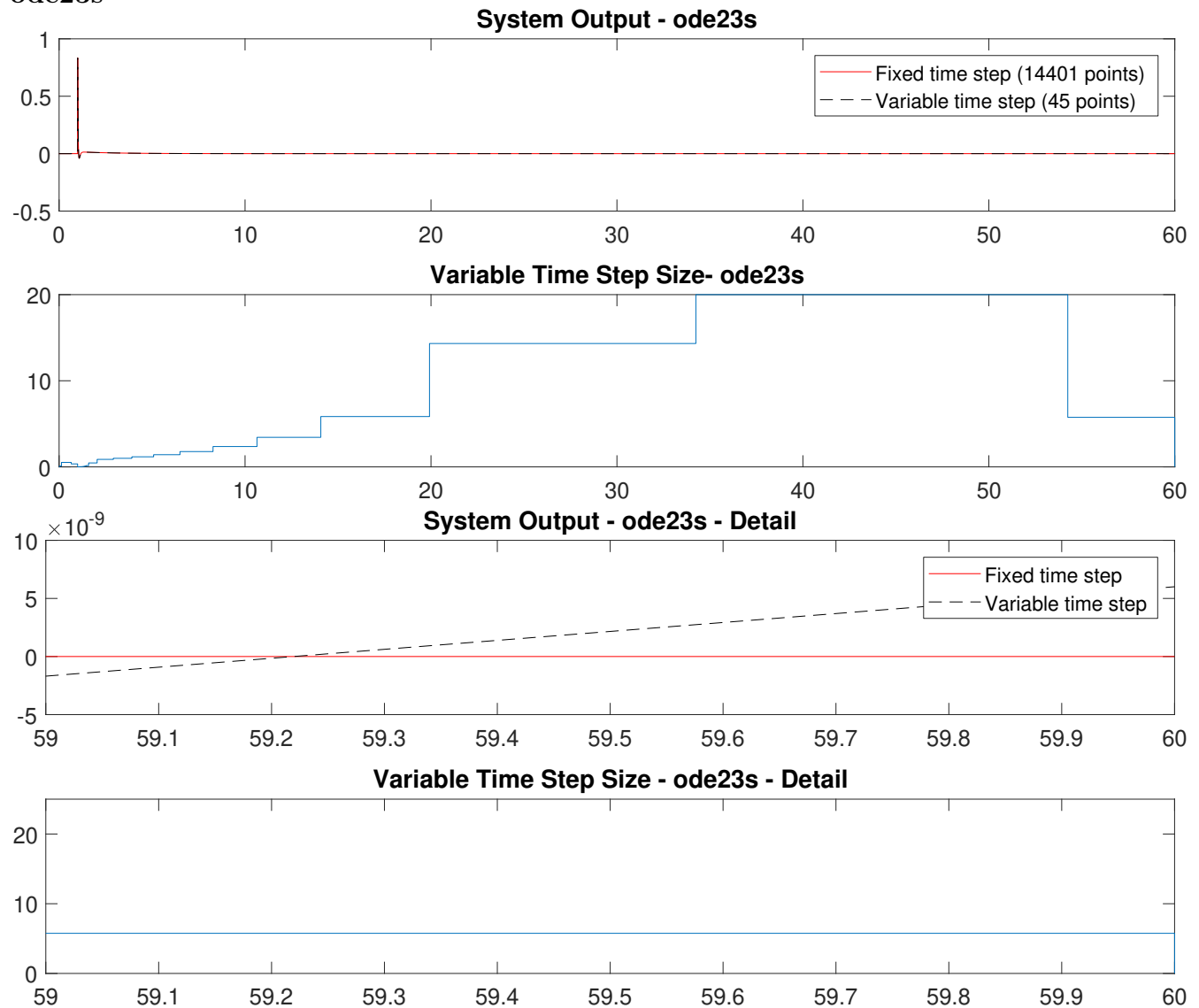
Variable Time Step Size - ode113 - Detail



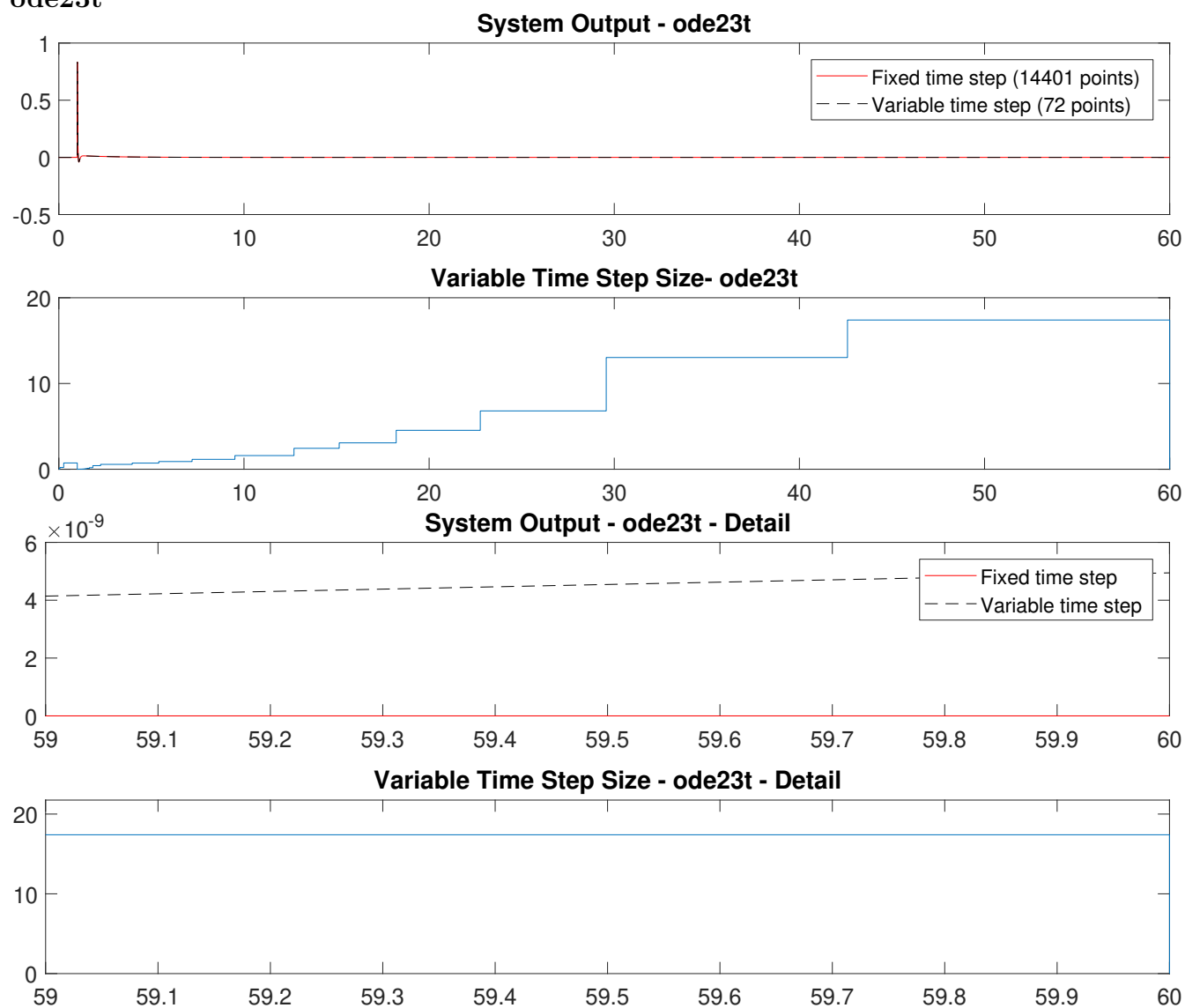
ode15s



ode23s



ode23t



ode23tb

