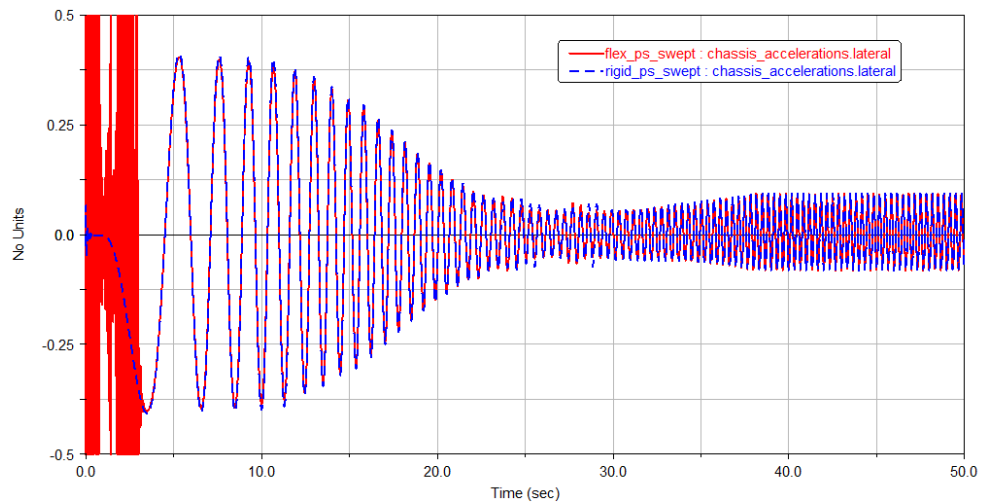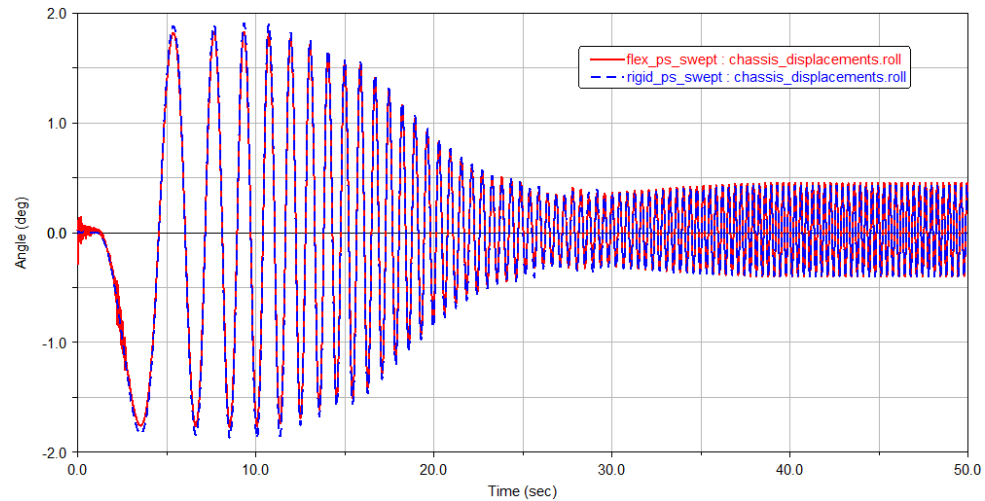Yaw rates (in swept_sine)

Lateral accelerations (in swept_sine)

Roll angle (in swept_sine)

The red curves represent the flexible chassis. And the blue curves represent the rigid chassis.

In simulation, steering assist is active. Only three output curves are shown here. Other curves have the same problem as the curves shown, that is the curve fluctuates a lot in the first few seconds. The pop-up warning during simulation is shown in the figure below.

```
   Begin Simulation

   ****** Performing Dynamic Simulation using Gstiff I3 Integrator ******
   The system is modelled with INDEX-3 DAEs.
   The integrator is GSTIFF, CORRECTOR = modified
   Integration error =    1.000000E-02

   Simulation       Step        Function    Cumulative   Integration    CPU
     Time           Size       Evaluations  Steps Taken     Order        time
   _____   _____   _____  _____   _____   _____
   0.00000E+00   5.00000E-04            0            0            1        10.84
---- START: WARNING ----
 An Out-of-range X value has been used in the spline calculation.
 Extrapolation is required for model.T18_steering_s_20161122.gss_steering_assist.
 The X value (9819.740974) should be between -8071.740000 and 8250.140000

---- END: WARNING ----

---- START: WARNING ----
 An Out-of-range X value has been used in the spline calculation.
 Extrapolation is required for model.T18_steering_s_20161122.gss_steering_assist.
 The X value (-15071.976271) should be between -8071.740000 and 8250.140000

---- END: WARNING ----
   5.00000E+00   1.00000E-02         7657         1980            1         2:29
   1.00000E+01   1.00000E-02         9775         2495            1         3:07
   1.50000E+01   1.00000E-02        11970         3025            1         3:46
   2.00000E+01   1.00000E-02        14169         3561            2         4:26
   2.50000E+01   1.00000E-02        16442         4101            2         5:07
   3.00000E+01   1.00000E-02        18600         4620            2         5:47
   3.50000E+01   1.00000E-02        20745         5131            2         6:26
   4.00000E+01   1.00000E-02        23153         5675            2         7:11
   4.50000E+01   1.00000E-02        25550         6210            2         7:56
Maneuver 1 abort time (50.000000s) reached.
   started at time   : 0.000000
   ended at time     : 50.000000
model.testrig.event_monitor_sensor has become active at time = 50.000000.
Current sensed value = 1.000000e+00.
   Triggered action RETURN.

---- START: WARNING ----
model.testrig.event_monitor_sensor halting simulation at time 5.000000e+01

---- END: WARNING ----
   5.00000E+01   1.00000E-02        27936         6744            2         8:41

   Dynamic Solution stopped.


   End Simulation
```