# EXAMPLE RUN FILE

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Case 7: Passenger train/track, 160kph, 54m span, 1/10000 flex., 6 Mg/m
EUROLONG
*TRANSIENT
    470.   0.0010    0.01
   44.444

trackPN
*CREEP
   0.3000   0.3000   8.0000   0.0000   0.0000
NON-LINEAR
stdp1
*OUTPUT
Lat displacement of bridge @ mid span      mm
   1000*U01
Lat acceleration of bridge @ mid span      m/s2
   U02
LOCO body lat accel @ leading pivot        m/s2
  A01Y + 4.5*A01W
COACH 1 body lat accel @ leading pivot     m/s2
  A08Y + 9.5*A08W
LOCO lat accel of leading bogie            m/s2
  A02Y
COACH 1 lat accel of leading bogie         m/s2
  A09Y
Total lat force on LOCO leading bogie      kN
  FW01Y + FW02Y
Total lat force on COACH 1 leading bogie   kN
  FW05Y + FW06Y
Lat force, COACH 1 wset 1, left wheel      kN
  FL05Y
Lat force, COACH 1 wset 1, right wheel     kN
  FR05Y
Lat force, COACH 1 wset 2, left wheel      kN
  FL06Y
Lat force, COACH 1 wset 2, right wheel     kN
  FR06Y
Lat force, LOCO wset 1, left wheel         kN
  FL01Y
Lat force, LOCO wset 1, right wheel        kN
  FR01Y
Lat force, LOCO wset 2, left wheel         kN
  FL02Y
Lat force, LOCO wset 2, right wheel        kN
  FR02Y
Lat force, LOCO wset 3, left wheel         kN
  FL03Y
Lat force, LOCO wset 3, right wheel        kN
  FR03Y
COACH 5 body lat accel @ leading pivot     m/s2
  A36Y + 9.5*A36W
COACH 5 lat accel of leading bogie         m/s2
  A37Y
Total lat force on COACH 5 leading bogie   kN
  FW21Y + FW22Y
Lat force, COACH 5 wset 1, left wheel      kN
  FL21Y
Lat force, COACH 5 wset 1, right wheel     kN
  FR21Y
Lat force, COACH 5 wset 2, left wheel      kN
  FL22Y
Lat force, COACH 5 wset 2, right wheel     kN
  FR22Y
*
```