```
P_pend =

                        1.045e-05 s
  ------------------------------------------------------
  2.3e-06 s^3 + 4.182e-07 s^2 - 7.172e-05 s - 1.025e-05

Continuous-time transfer function.
Model Properties

C =

             1
  Kp + Ki * --- + Kd * s
             s

  with Kp = 1, Ki = 1, Kd = 1

Continuous-time PID controller in parallel form.
Model Properties

T =

                         1.045e-05 s^2
  ------------------------------------------------------------
  2.3e-06 s^4 + 1.087e-05 s^3 - 6.126e-05 s^2 + 2.091e-07 s

Continuous-time transfer function.
Model Properties

C =

             1
  Kp + Ki * --- + Kd * s
             s

  with Kp = 100, Ki = 1, Kd = 1

Continuous-time PID controller in parallel form.
Model Properties

T =

                         1.045e-05 s^2
  ------------------------------------------------------------
  2.3e-06 s^4 + 1.087e-05 s^3 + 0.0009737 s^2 + 2.091e-07 s

Continuous-time transfer function.
Model Properties

C =

             1
  Kp + Ki * --- + Kd * s
             s

  with Kp = 100, Ki = 1, Kd = 20

Continuous-time PID controller in parallel form.
Model Properties
```

```
T =

                        1.045e-05 s^2
  ------------------------------------------------------------
  2.3e-06 s^4 + 0.0002095 s^3 + 0.0009737 s^2 + 2.091e-07 s

Continuous-time transfer function.
Model Properties

P_cart =

                  4.182e-06 s^2 - 0.0001025
  ------------------------------------------------------------
  2.3e-06 s^4 + 4.182e-07 s^3 - 7.172e-05 s^2 - 1.025e-05 s

Continuous-time transfer function.
Model Properties

T2 =

            9.618e-12 s^6 + 1.749e-12 s^5 - 5.355e-10 s^4 - 8.569e-11 s^3 + 7.348e-09 s^2
  ------------------------------------------------------------------------------------------
  5.29e-12 s^8 + 4.828e-10 s^7 + 2.162e-09 s^6 - 1.464e-08 s^5 - 7.198e-08 s^4 - 9.991e-(

Continuous-time transfer function.
Model Properties
>>
```