```
P_ball =

  0.21
  ----
  s^2

Continuous-time transfer function.
Model Properties

C =

  Kp = 1

P-only controller.
Model Properties

sys_cl =

     0.21
  ----------
  s^2 + 0.21

Continuous-time transfer function.
Model Properties

P_ball =

  0.21
  ----
  s^2

Continuous-time transfer function.
Model Properties

C =


  Kp + Kd * s


  with Kp = 10, Kd = 10

Continuous-time PD controller in parallel form.
Model Properties

sys_cl =

     2.1 s + 2.1
  -----------------
  s^2 + 2.1 s + 2.1

Continuous-time transfer function.
Model Properties

C =


  Kp + Kd * s
```

```
  with Kp = 10, Kd = 20

Continuous-time PD controller in parallel form.
Model Properties

sys_cl =

     4.2 s + 2.1
  -----------------
  s^2 + 4.2 s + 2.1

Continuous-time transfer function.
Model Properties

C =


  Kp + Kd * s


  with Kp = 15, Kd = 40

Continuous-time PD controller in parallel form.
Model Properties

sys_cl =

     8.4 s + 3.15
  -------------------
  s^2 + 8.4 s + 3.15

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