

G2 =

$$\frac{-3.755e07 s^3 - 1.25e09 s^2}{800000 s^4 + 3.854e07 s^3 + 1.481e09 s^2 + 1.377e09 s + 4e10}$$

Continuous-time transfer function.

Model Properties

F =

$$\frac{-3.755e07 s^3 - 1.25e09 s^2}{2820 s^2 + 15020 s + 500000}$$

Continuous-time transfer function.

Model Properties

sys_cl =

$$\frac{-1.059e11 s^6 - 4.089e12 s^5 - 3.755e13 s^4 - 6.25e14 s^3}{2.256e09 s^7 + 1.775e12 s^6 + 2.939e13 s^5 + 7.544e14 s^4 + 6.586e15 s^3 + 6.769e16 s^2}$$

Continuous-time transfer function.

Model Properties

s =

s

Continuous-time transfer function.

Model Properties

C =

$$\frac{s^2 + 4 s + 3}{s}$$

Continuous-time transfer function.

Model Properties

C =

$$K_p + K_i * \frac{1}{s} + K_d * s$$

with Kp = 1.66e+06, Ki = 1.25e+06, Kd = 4.16e+05

Continuous-time PID controller in parallel form.

Model Properties

sys_cl =

$$\frac{-1.059e11 s^6 - 4.089e12 s^5 - 3.755e13 s^4 - 6.25e14 s^3}{2.256e09 s^7 + 3.429e12 s^6 + 5.363e13 s^5 + 1.463e15 s^4 + 1.23e16 s^3 + 1.341e17 s^2}$$

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Continuous-time transfer function.  
Model Properties  
>>
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