Calculate PID Controller Coefficients

Given PID Controller Parameters (see Matlab Simulation):

$$KP := 4.947$$
 $KI := 2.1987 \cdot 10^4$ $KD := 2.7827 \cdot 10^{-4}$

Defining one parameter due to 1 degree of freedom:

$$R_1\!\coloneqq\!10\boldsymbol{\cdot}10^3$$

Calculate the missing parameters:

