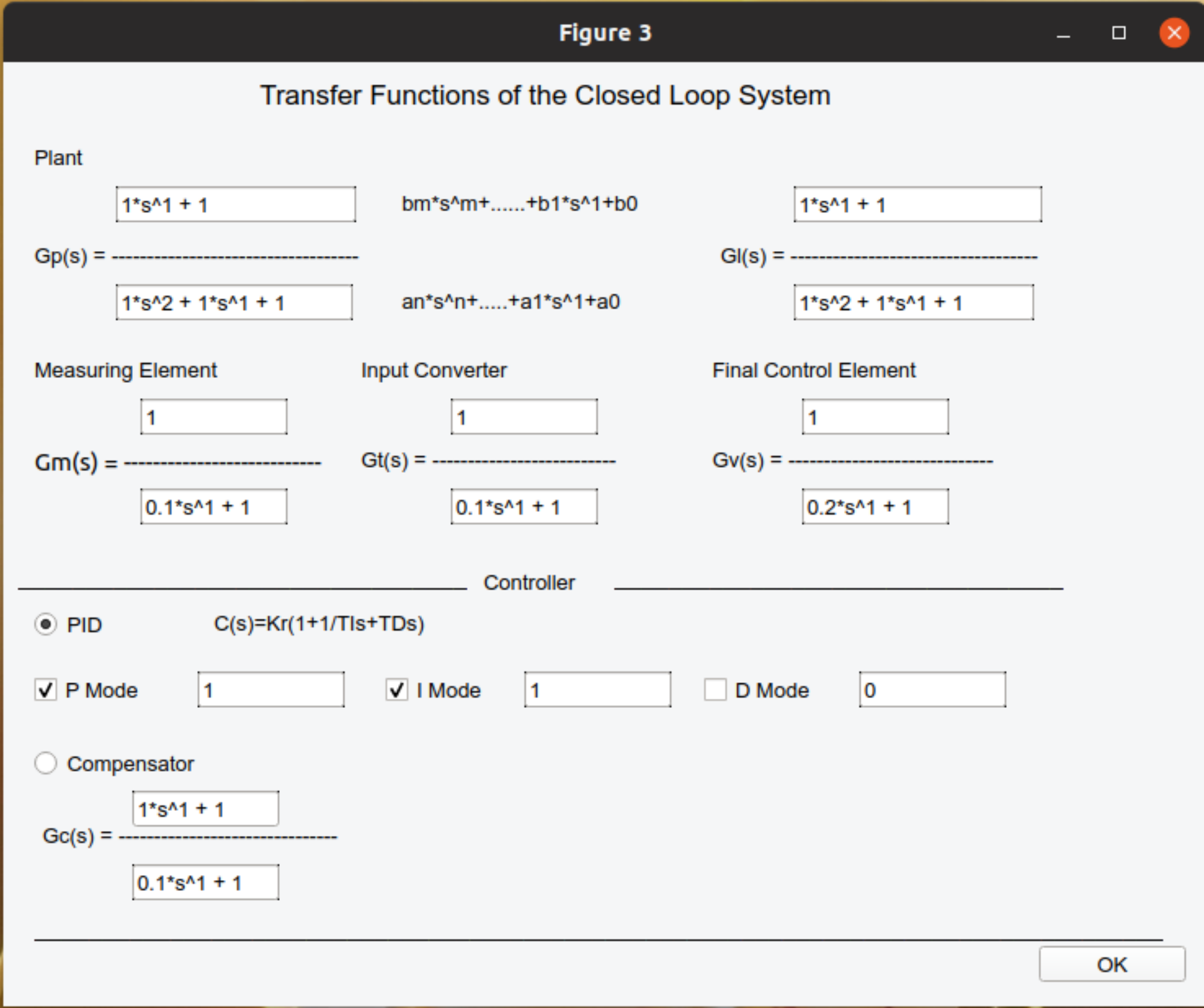
Figure 3
Transfer Functions of the Closed Loop System
Plant
1*s^1 + 1
bm*s^m+.....+b1*s^1+b0
1*s^1 + 1
Gp(s) =
Gl(s) =
1*s^2 + 1*s^1 + 1
an*s^n+.....+a1*s^1+a0
1*s^2 + 1*s^1 + 1
Measuring Element
Input Converter
Final Control Element
1
1
1
Gm(s) =
Gt(s) =
Gv(s) =
0.1*s^1 + 1
0.1*s^1 + 1
0.2*s^1 + 1
Controller
PID
C(s)=Kr(1+1/TIs+TDs)
P Mode
1
I Mode
1
D Mode
0
Compensator
1*s^1 + 1
Gc(s) =
0.1*s^1 + 1
OK