

Proiect EP Simulare Simulink – Moldovan Dan Alexandru

Editor - C:\Users\lita\Desktop\ProjectEP\MLm

```

1 L = 0.01279; %valoarea minima a inductantei de filtrare
2 C = 0.00000519;
3 Rs = 40; %rezistenta nominala de sarcina
4 Kr = 0.5;
5 Ku = 0.48; %coeficientul de tensiune in gol
6 U21 = 100; %tensiunea nominala
7 A = 8;
8
9 Rs_20 = 48;
10
11 U21_10 = 110;
12
13 Hf = tf(1,[L*C L/Rs 1])

```

Command Window

```

>> simulink
>> simulink
>> ML

Hf =

      1
-----
6.638e-08 s^2 + 0.0003197 s + 1

Continuous-time transfer function.
fx >>

```

Workspace

Name	Value
A	8
C	5.1900e-06
Hf	1x1 tf
ho	1x1 tf
Kr	0.5000
Ku	0.4800
L	0.0128
out	1x1 SimulationO...
Rs	40
Rs_20	48
U21	100
U21_10	110

Block Parameters: Step11

Step
Output a step.

Main | Signal Attributes

Step time: 0

Initial value: 1

Final value: 17

Sample time: 1

☒ Interpret vector parameters as 1-D

☒ Enable zero-crossing detection

OK Cancel Help Apply

Stop Time 0.004

Normal

Fast Restart

Block Parameters: Step13

Step
Output a step.

Main | Signal Attributes

Step time: 0.0025

Initial value: 0

Final value: 10

Sample time: 0

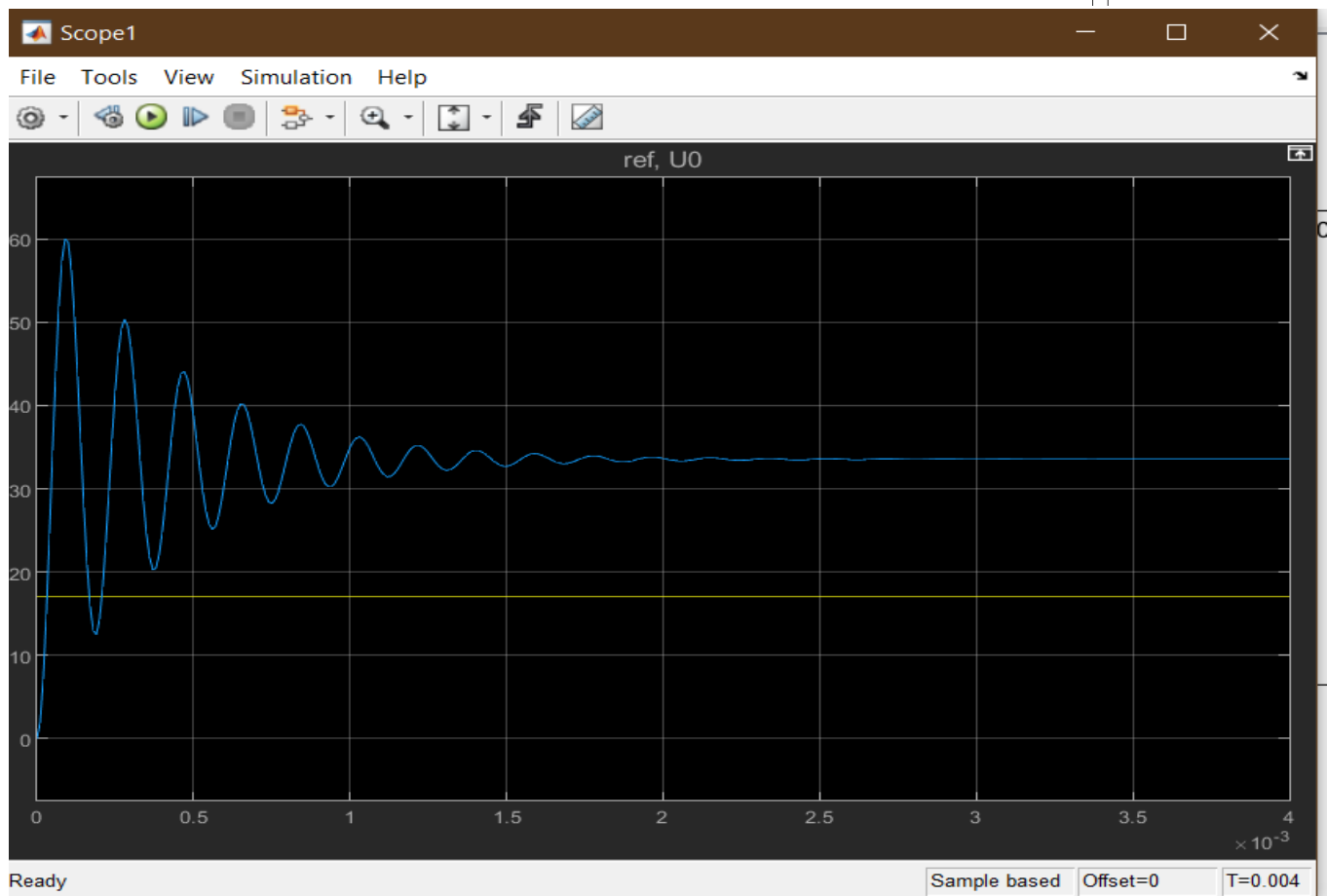
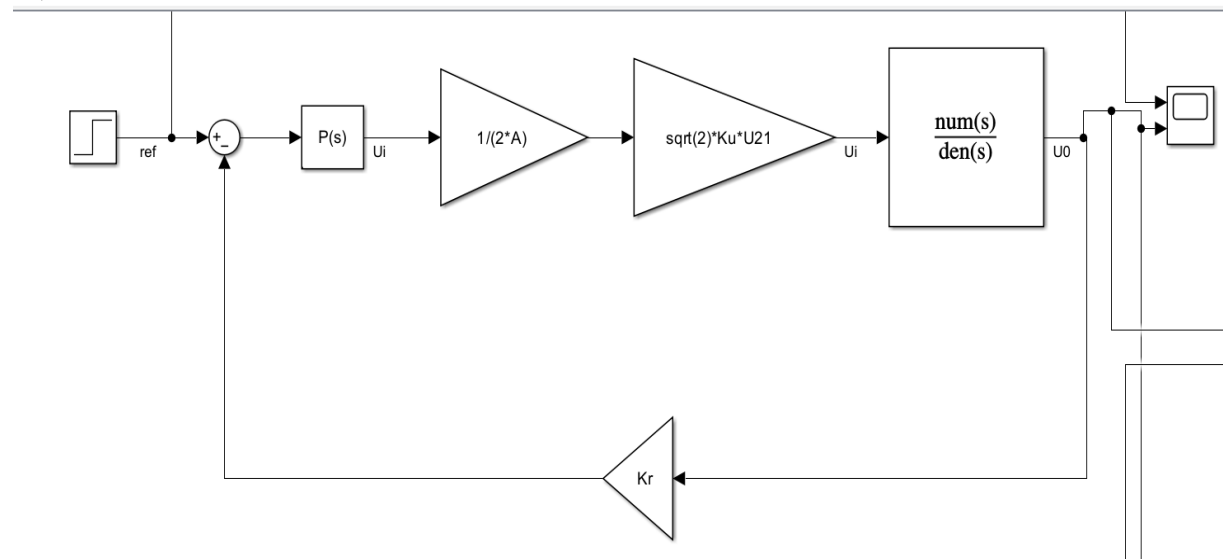
☒ Interpret vector parameters as 1-D

☒ Enable zero-crossing detection

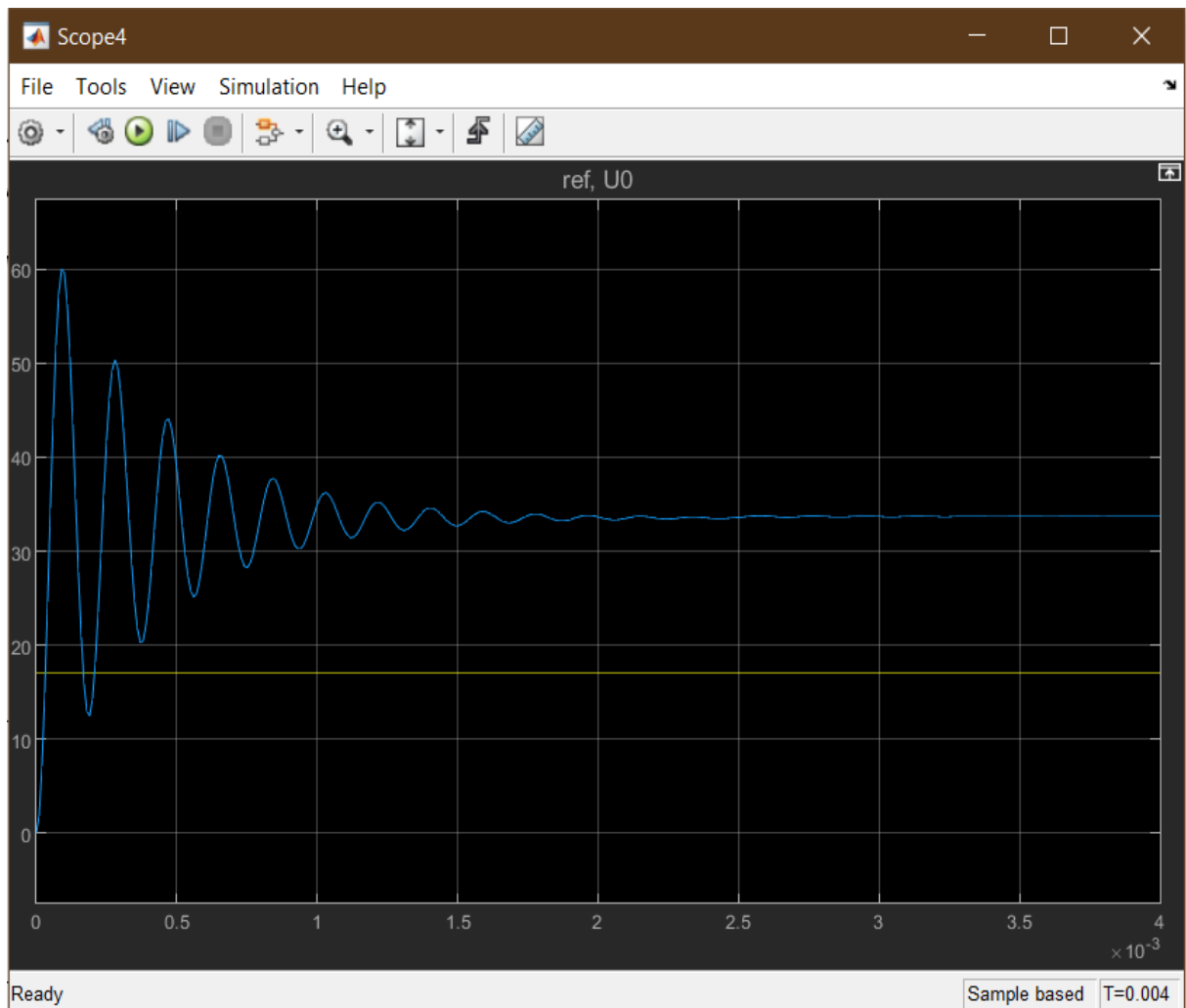
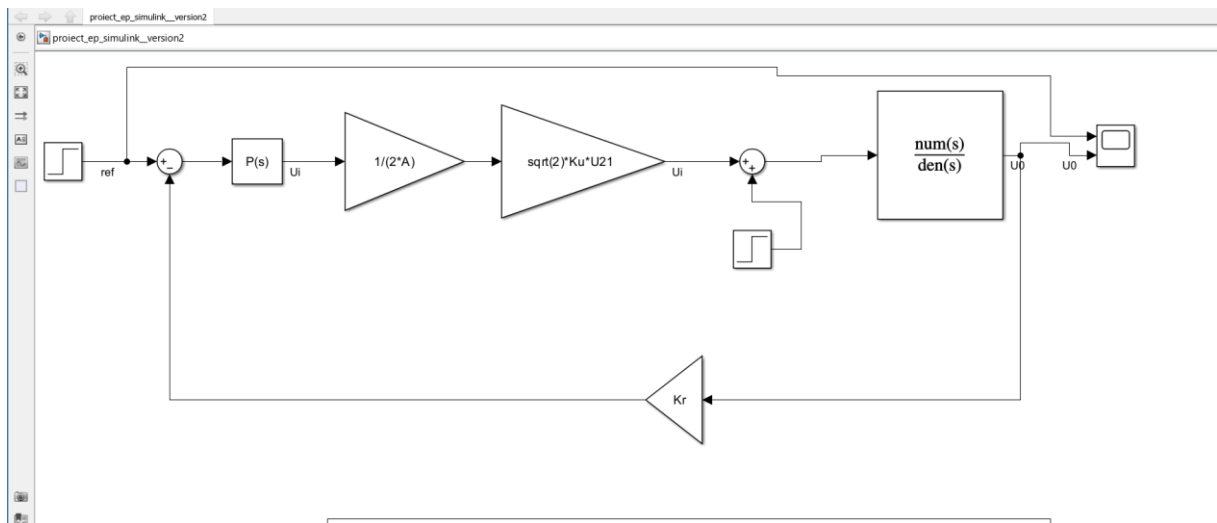
OK Cancel Help Apply

Schema Simulink cu regulator P

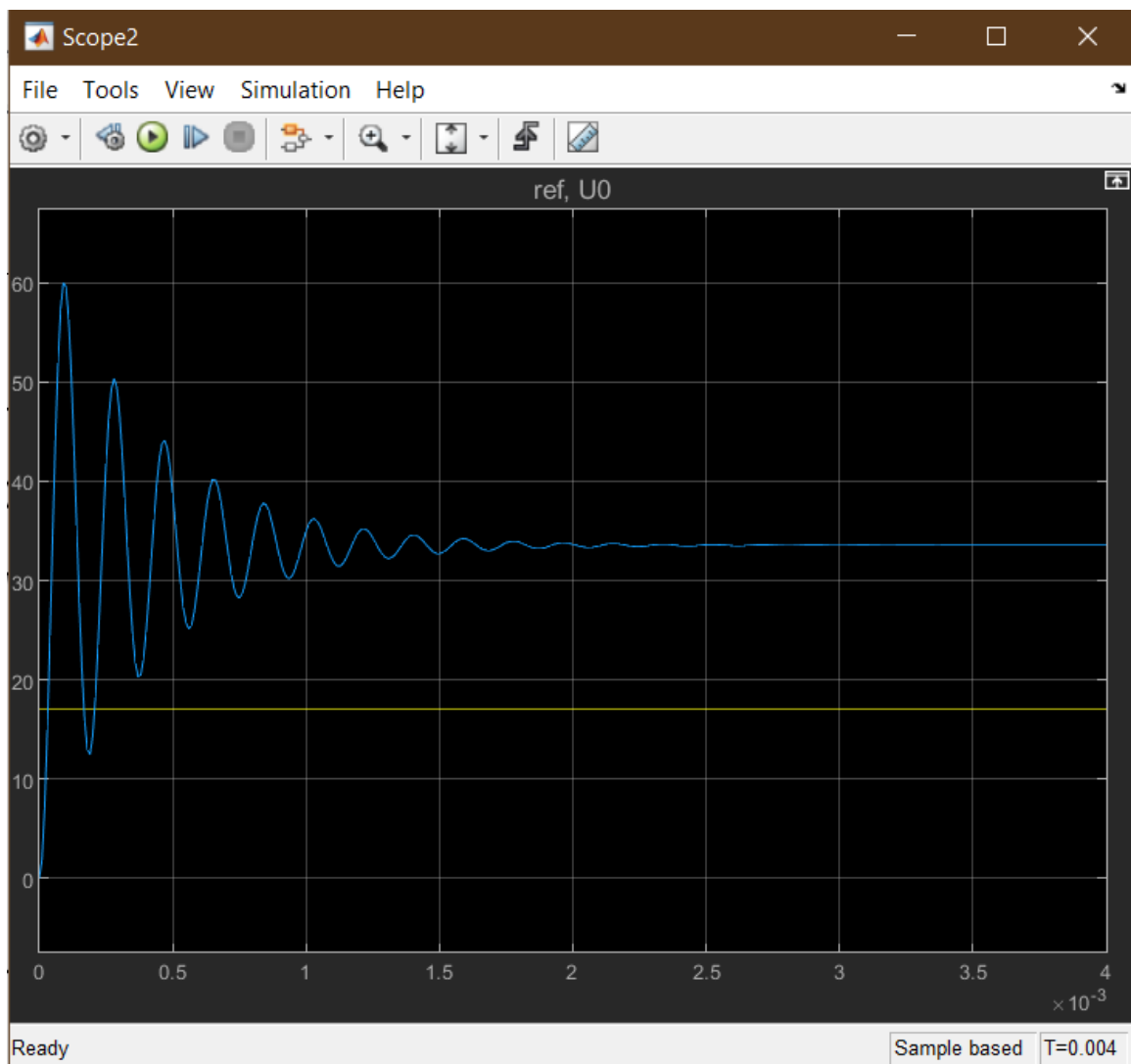
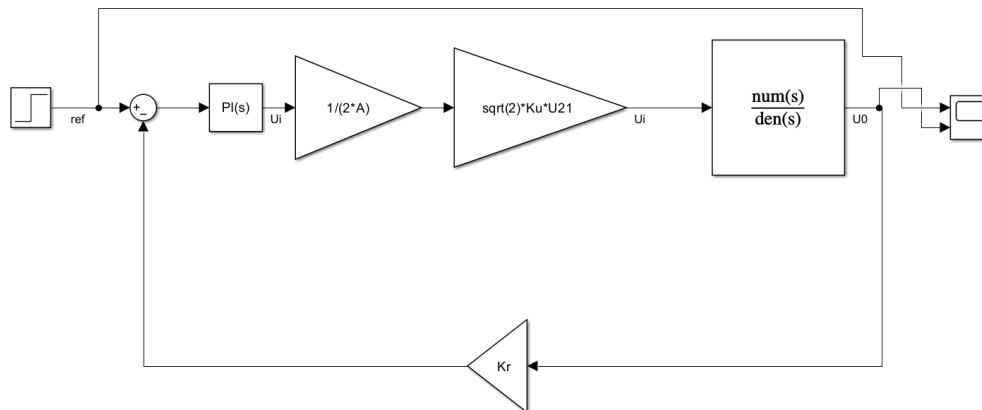
ect_ep_simulink_version2



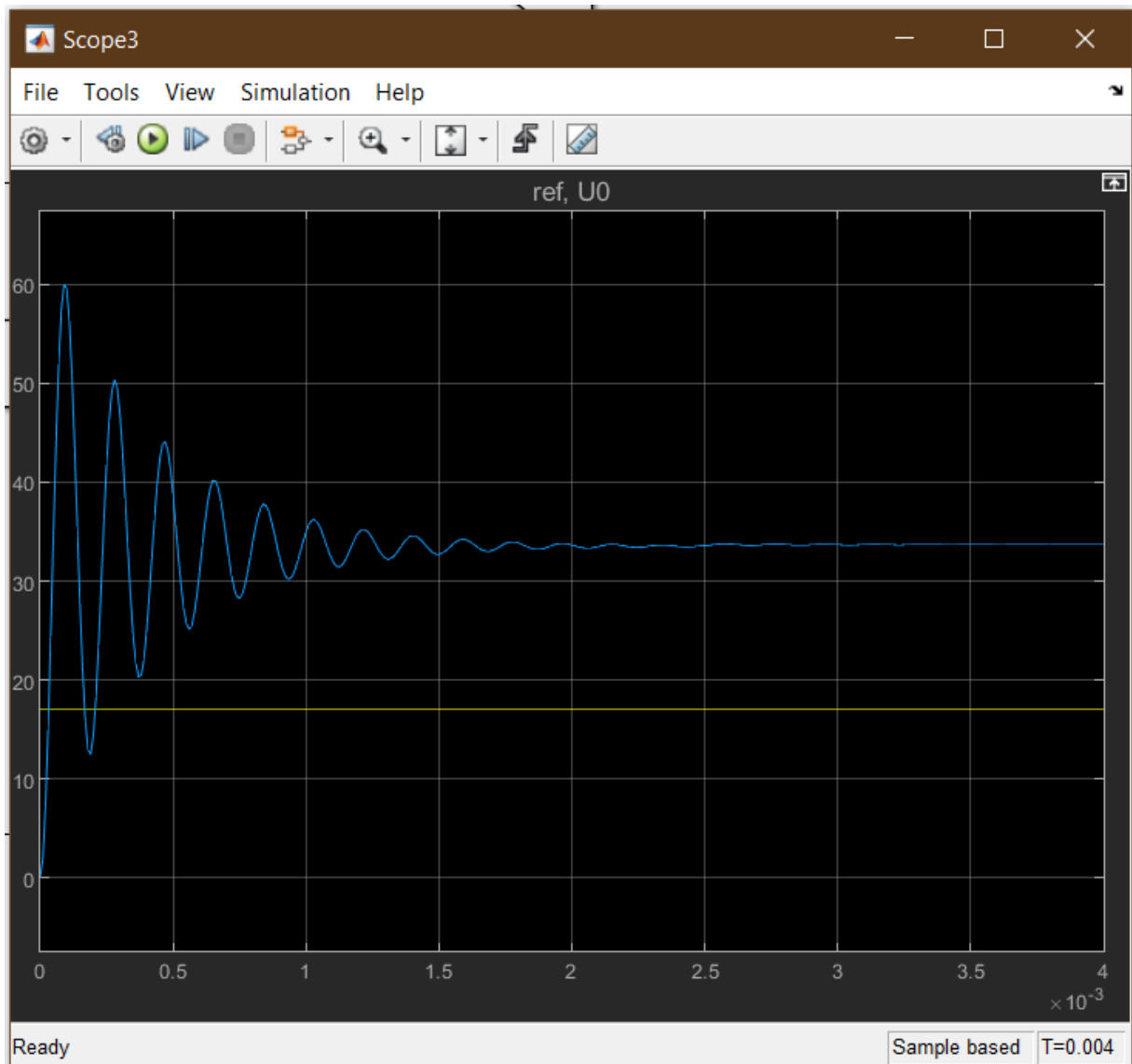
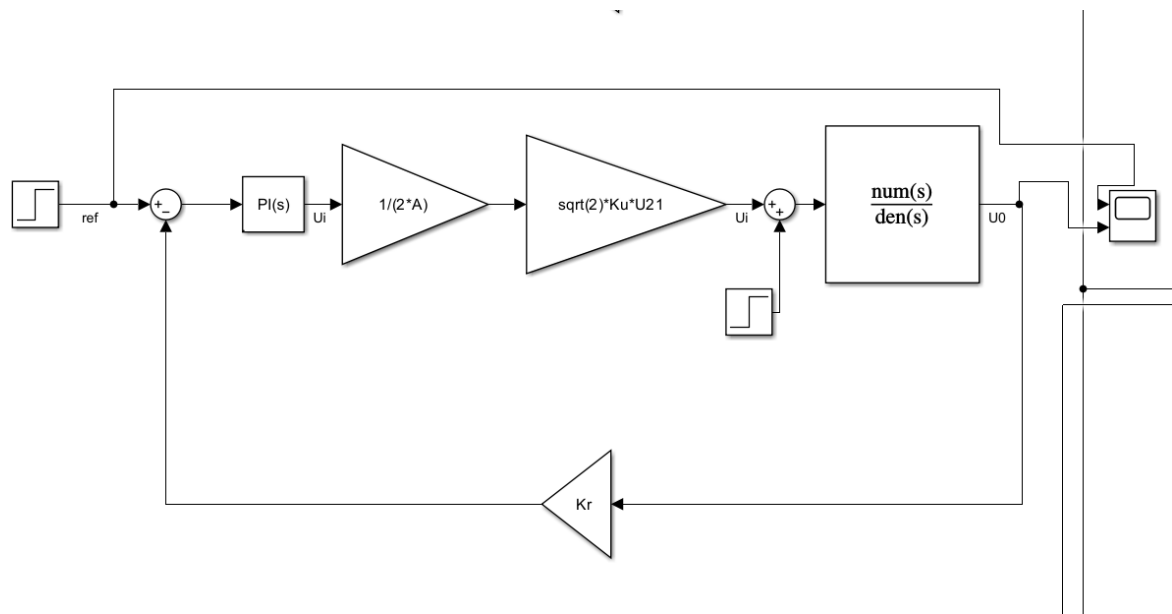
Schema Simulink cu regulator P + perturbatie



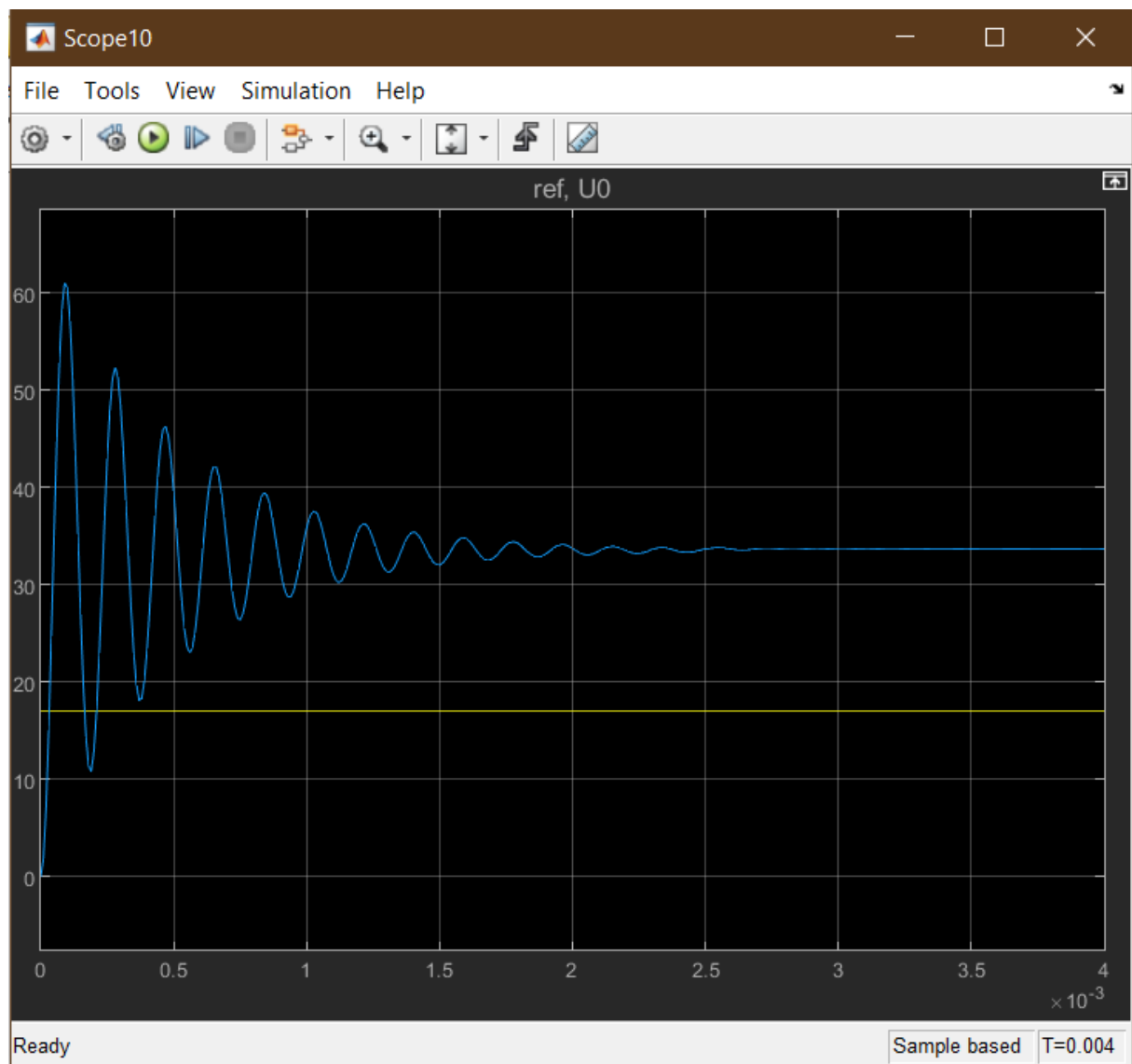
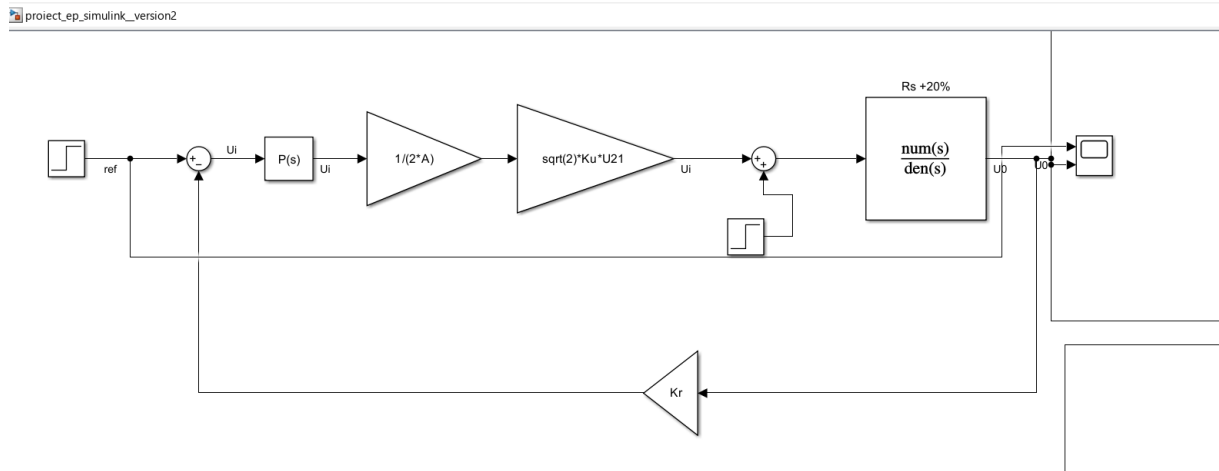
Schema Simulink cu regulator PI



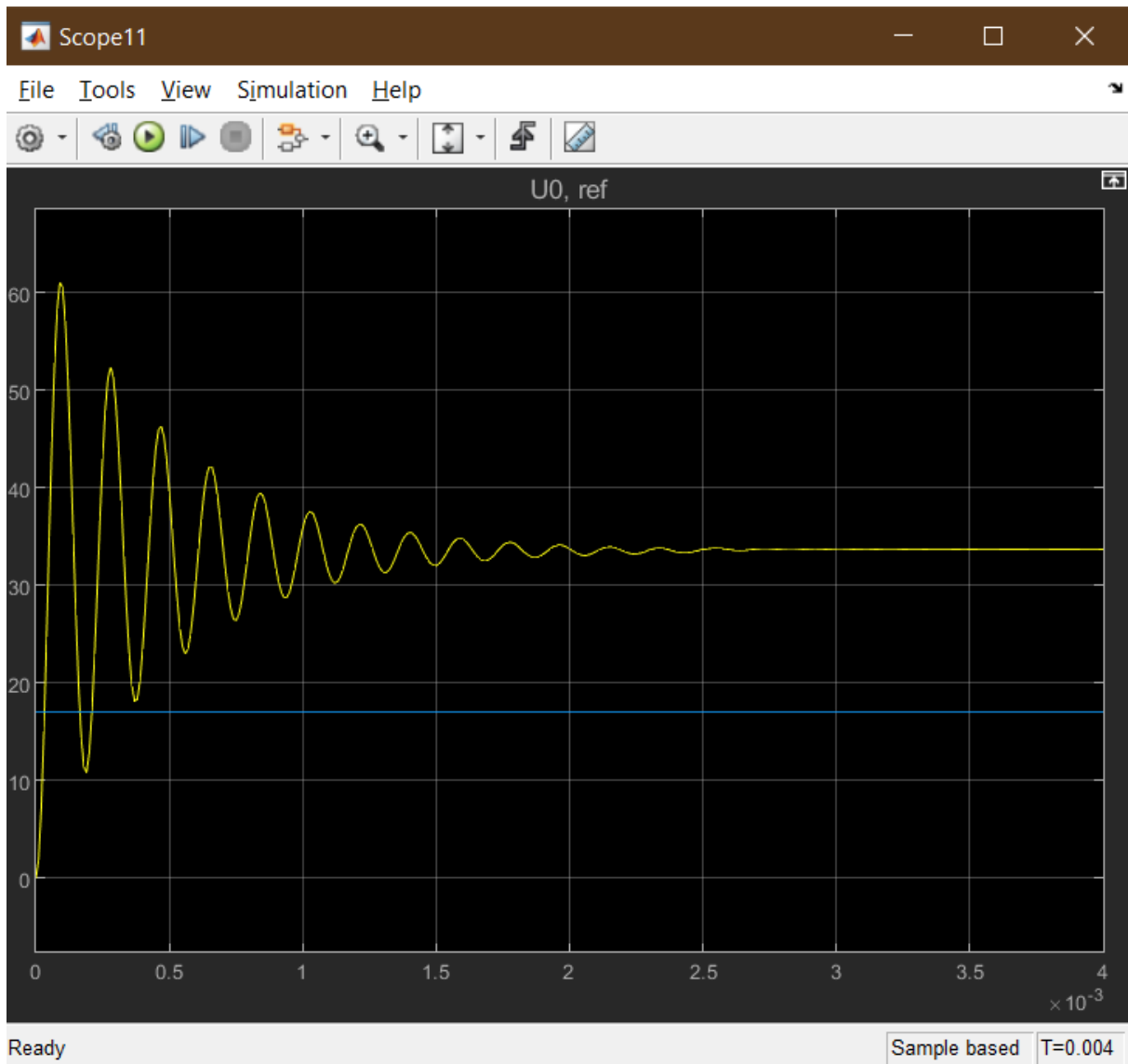
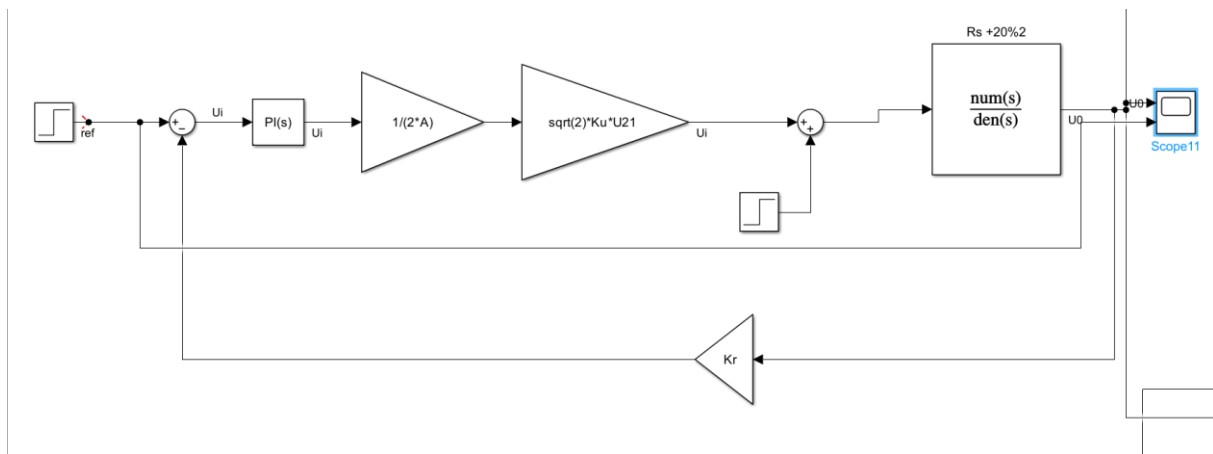
Schema Simulink cu regulator PI + perturbatie



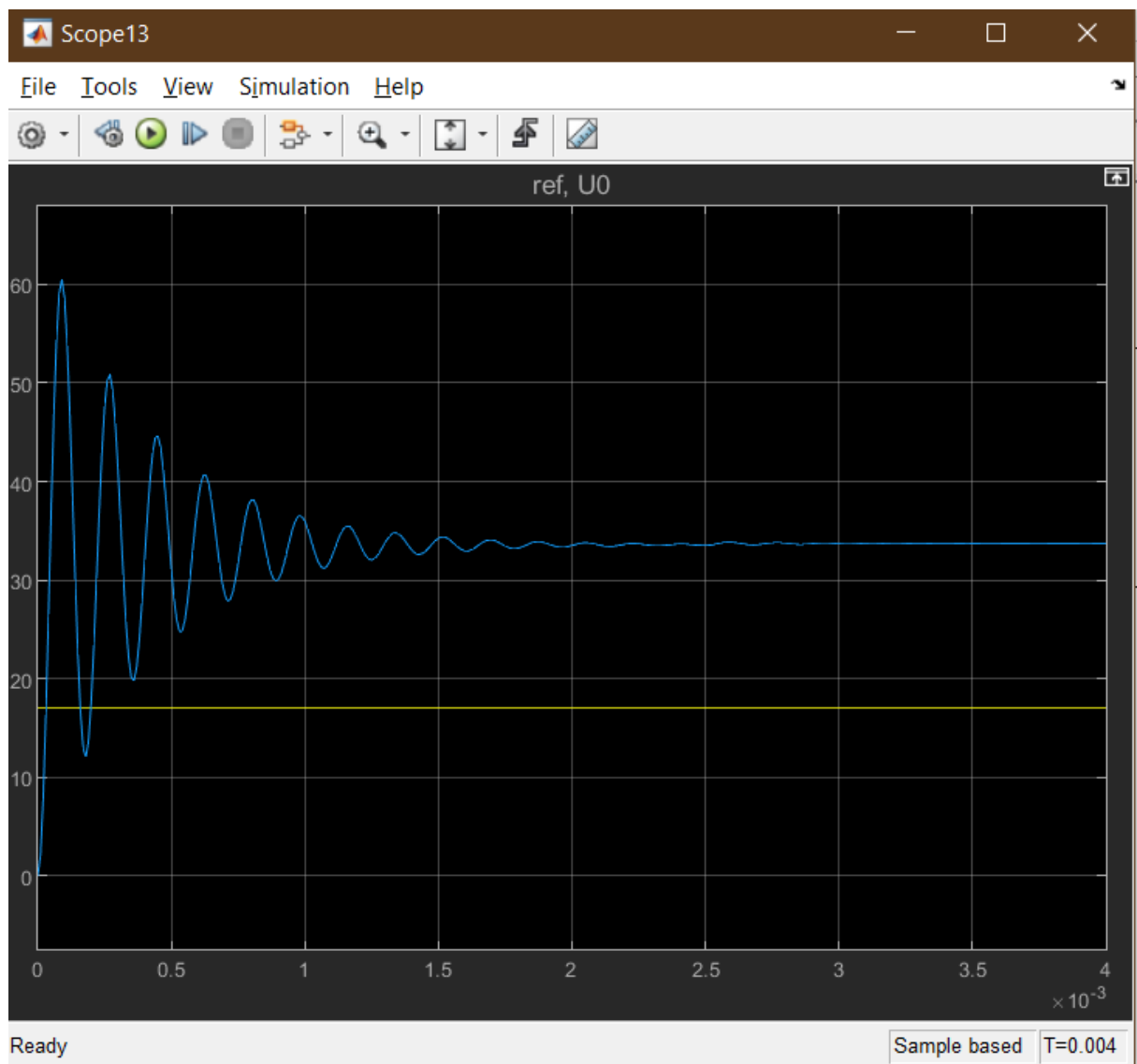
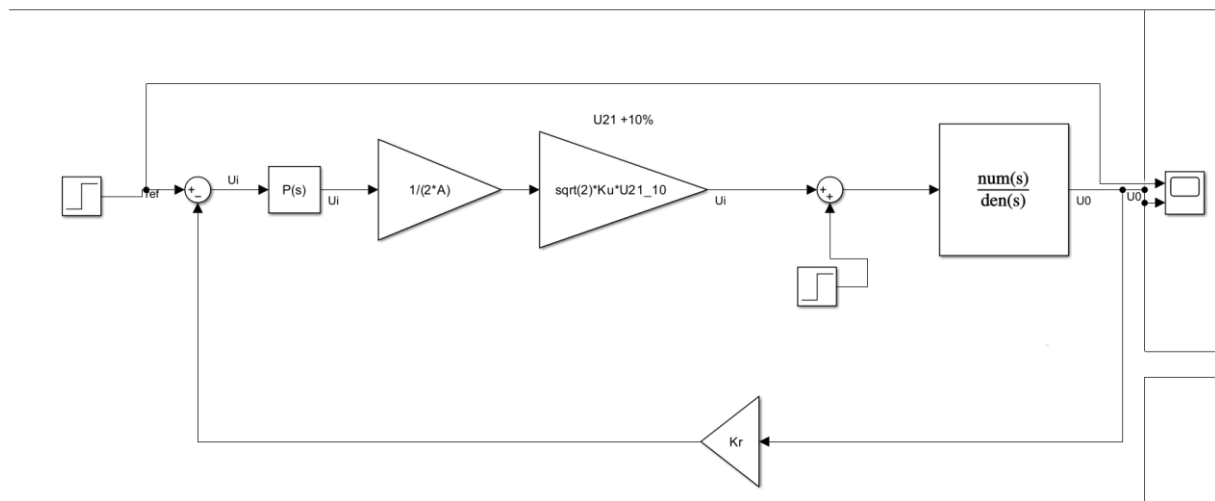
Schema Simulink cu regulator P perturbatie + RS modificat



Schema Simulink cu regulator PI perturbatie + RS modificat



Schema Simulink cu regulator P perturbatie + U modificat



Schema Simulink cu regulator PI perturbatie + U modificat

