

Podstawy robotyki z kinematyką

Modelowanie i symulacja serwomechanizmu liniowego i nieliniowego

Automatyka i robotyka

Paweł Żuczek, Mateusz Wójcik, Inez Wałaszek gr.10, zespół E

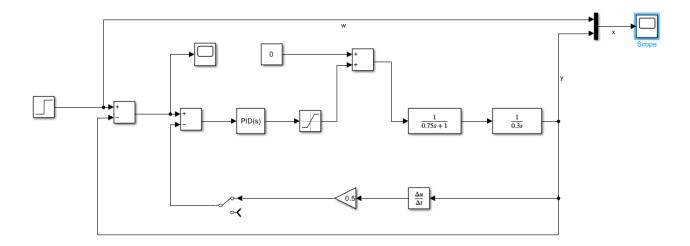
Kraków, 19.03.2025

Wprowadzenie

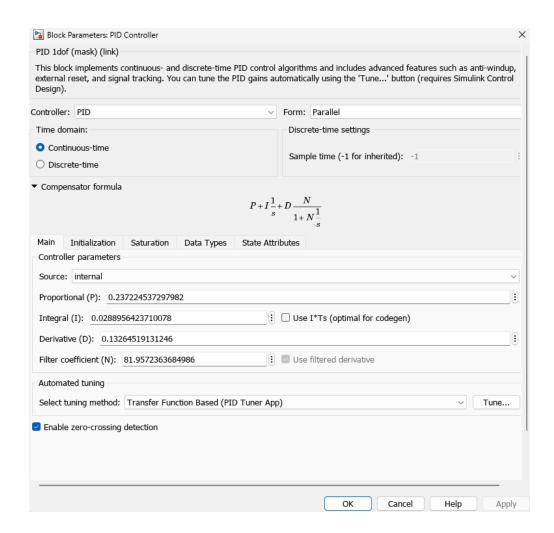
siema siemia

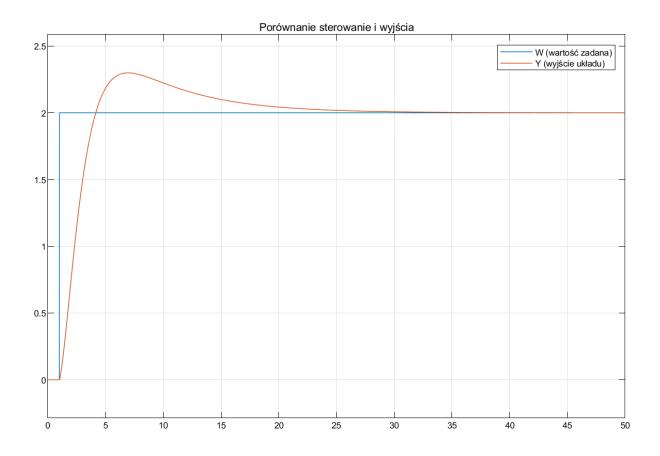
Serwomechanizm liniowy

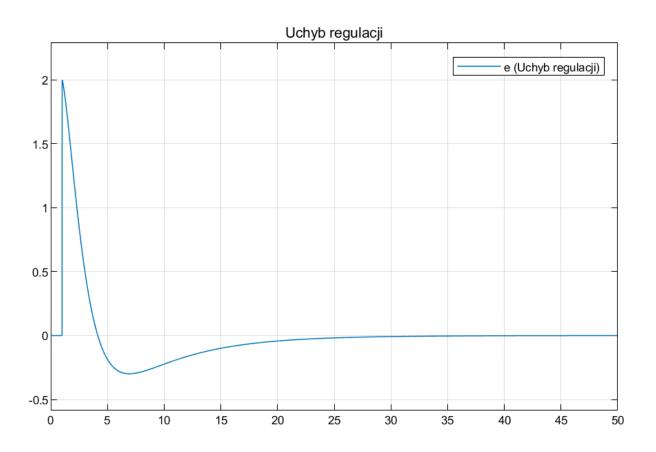
W pierwszym etapie przeprowadzenia laboratorium, zamodelowano w środowisku Simulink, model

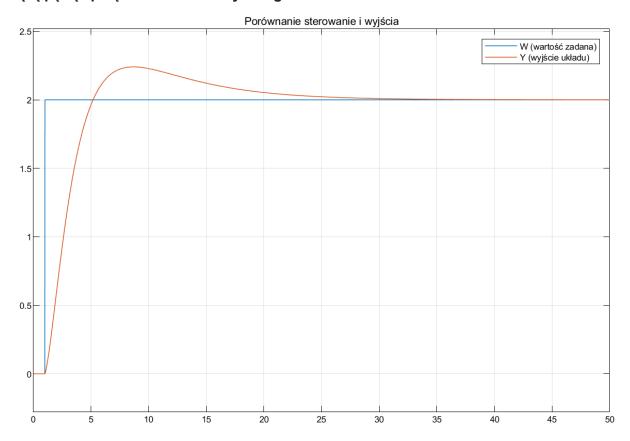


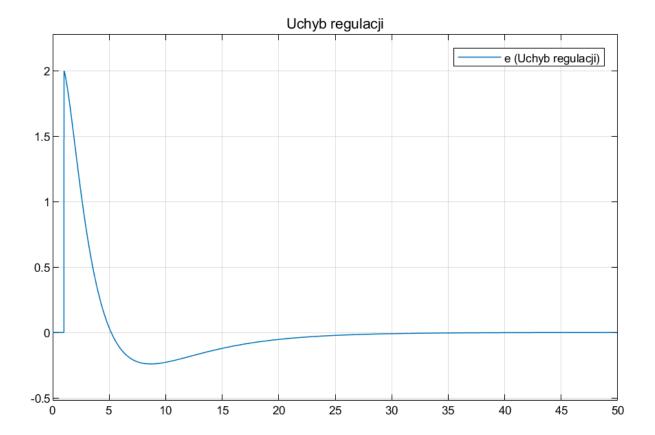
Pierwszy zestaw nastaw



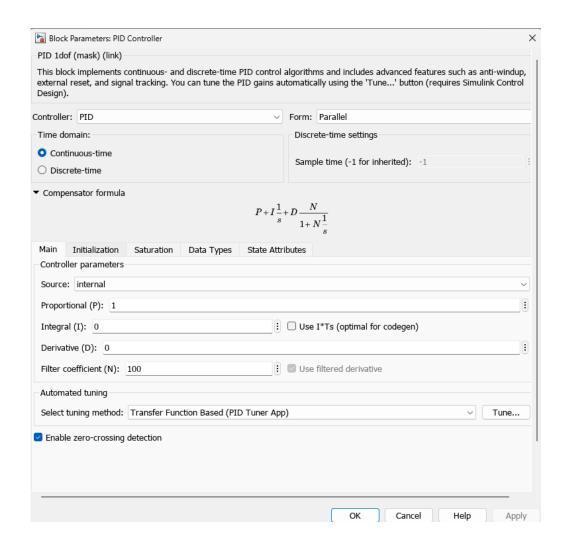


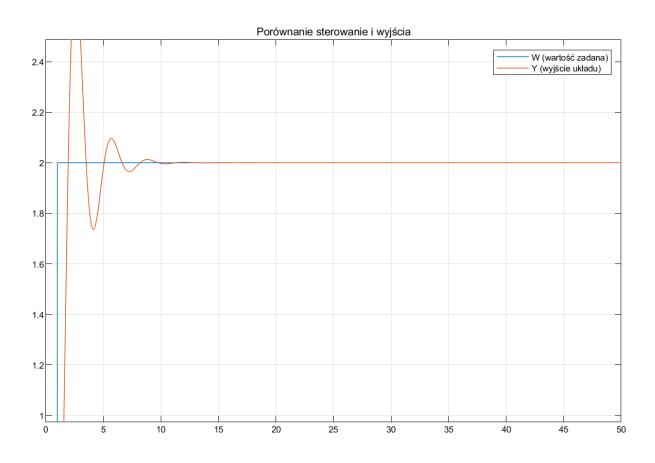


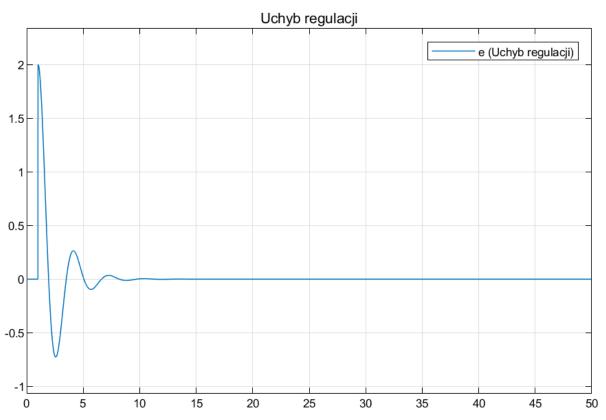


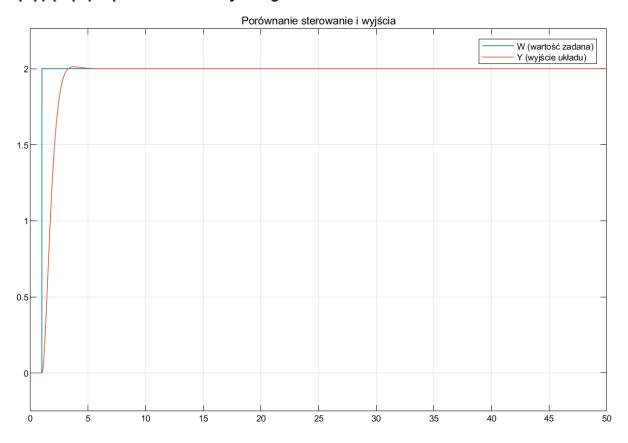


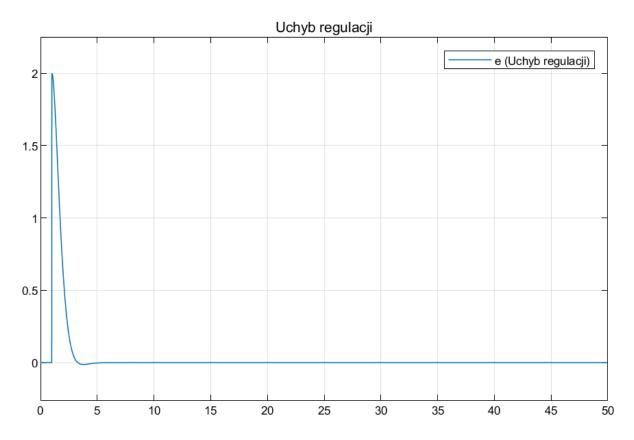
Drugi zestaw nastaw



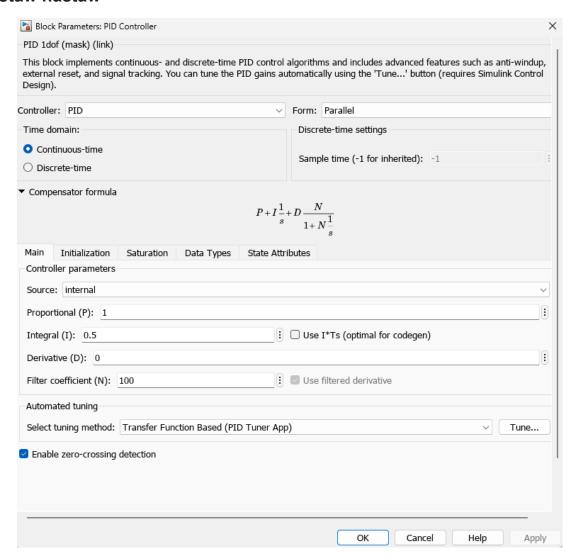


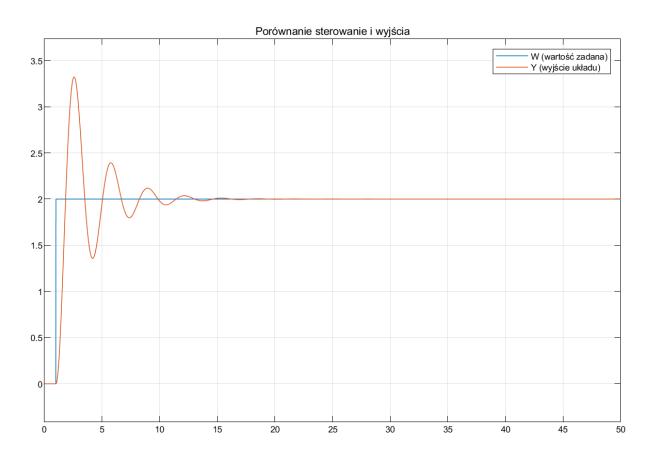


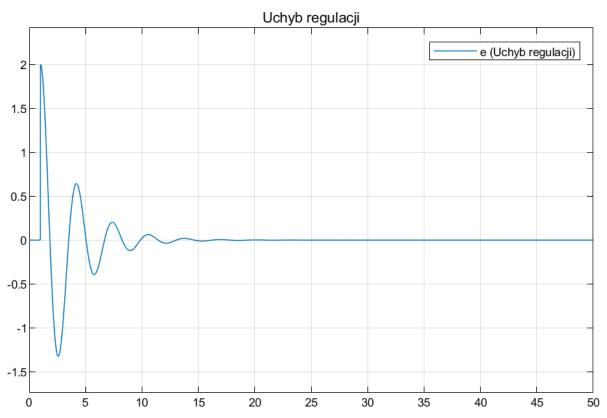


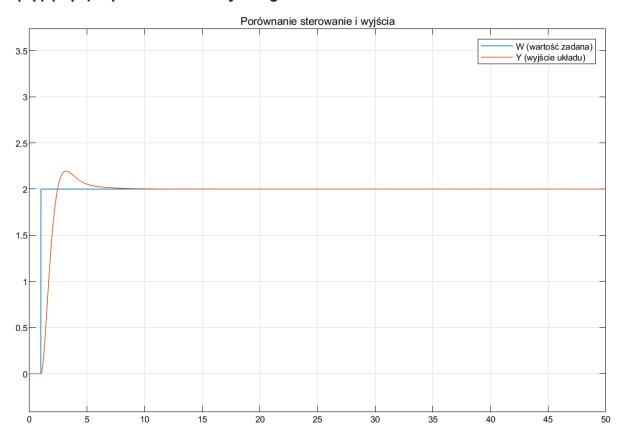


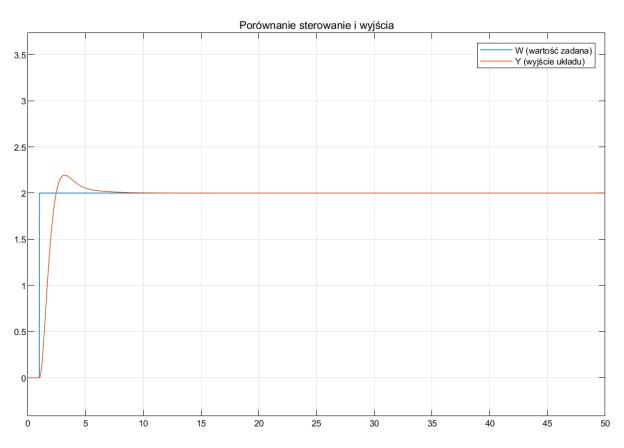
Trzeci zestaw nastaw



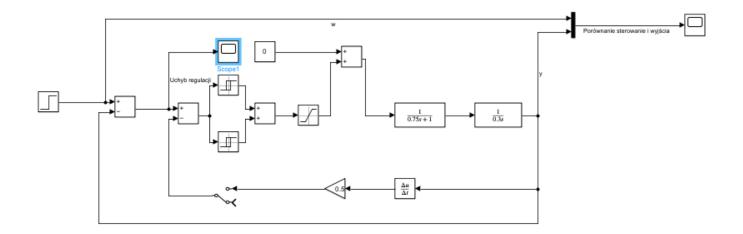


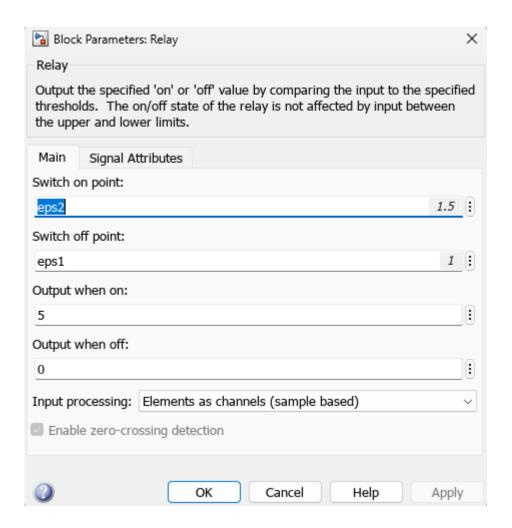






Serwomechanizm nieliniowy

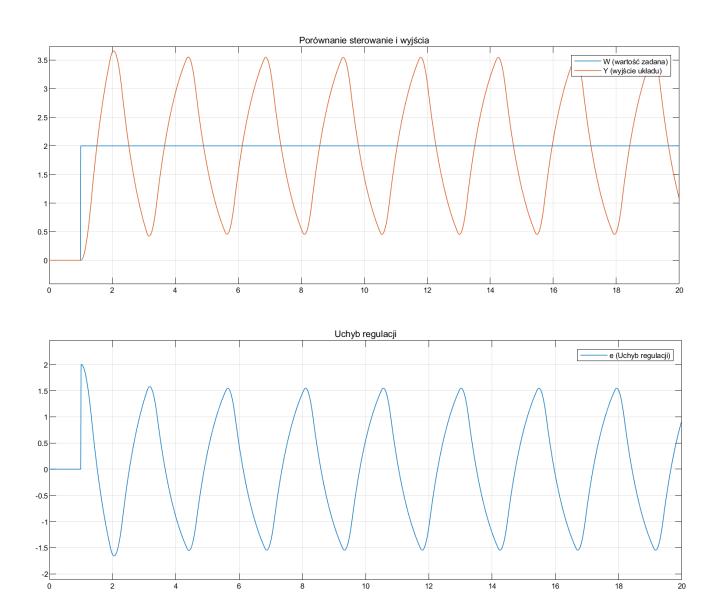


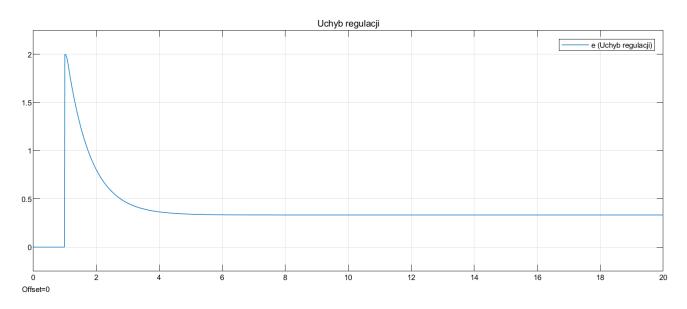


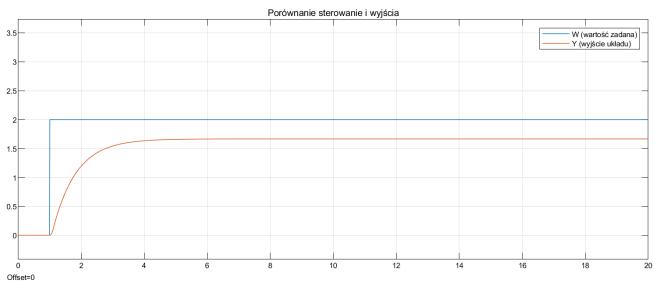
Pierwszy zestaw nastaw

```
eps1 = 1 ;
eps2 = 1.5;
```

Z otwartą pętlą sprzężenia tachometrycznego

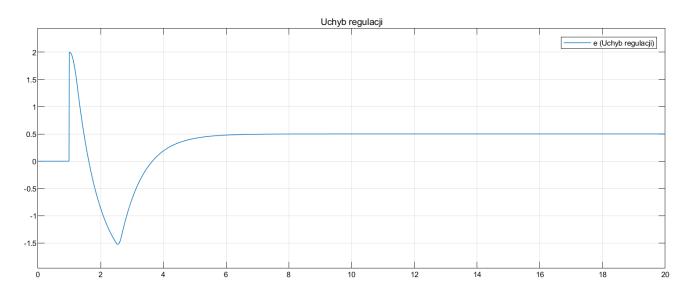


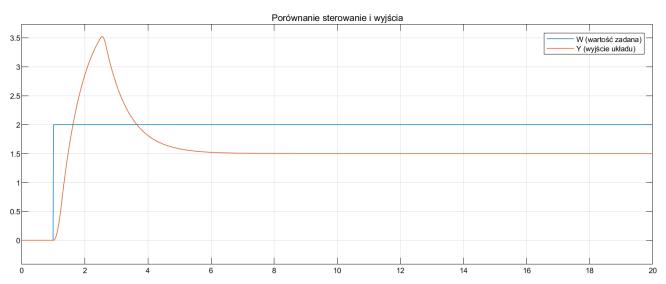


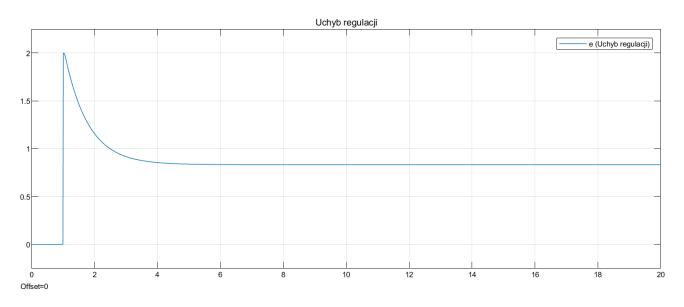


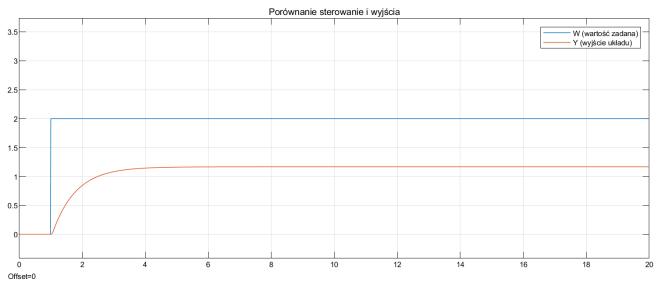
Drugi zestaw nastaw

```
eps1 = 1.4;
eps2 = 1.5;
```



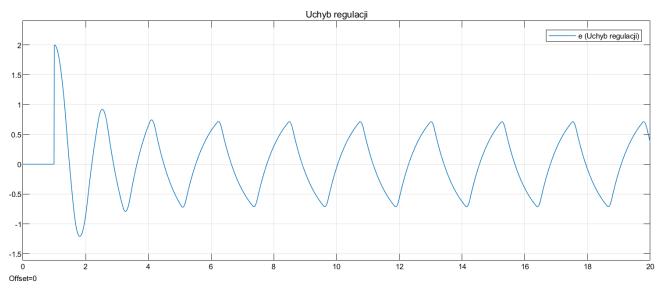


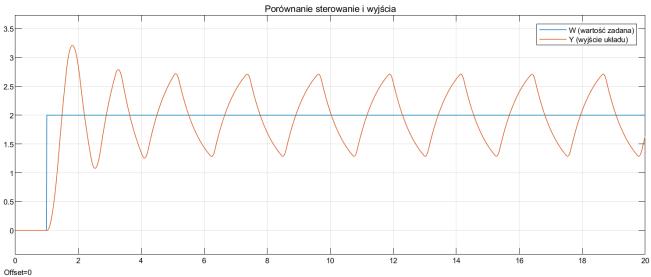


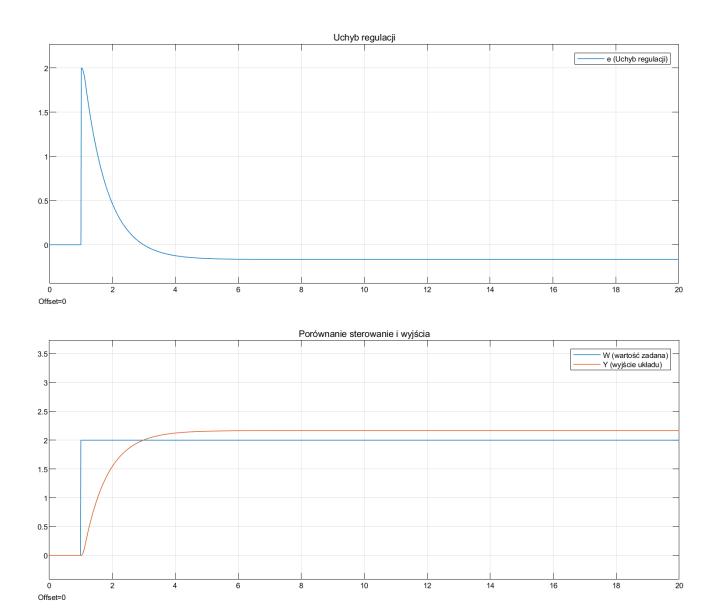


Trzeci zestaw nastaw

```
eps1 = 0.6;
eps2 = 0.7;
```







aktywnosc dodatkowa paweł żuczekl robi asymeteryczne nastawy, bo ma duzo czasu pozdrawiam serdecznie